# Programme of measures Reported at RBD/Sub-unit level (schema RBMPPoM)

## Key Types of Measures to tackle significant pressures

### Introduction

The WFD requires that, within each RBD, a Programme of Measures (PoM) is established to address the significant issues identified and to allow the achievement of the objectives established under Article 4. The Directive further specifies that the PoM shall include as a minimum ‘basic measures’ and, where necessary to achieve objectives, ‘supplementary measures’.

Basic measures as a minimum must comprise:

1. Measures required to implement existing Community water legislation and other environmental legislation (set out in Article 10 and in Part A of Annex VI – detailed below).
2. Measures to implement Article 9 (cost recovery).
3. Measures to promote efficient and sustainable water use.
4. Measures to protect drinking water quality and reduce level of treatment required.
5. Measures to control abstraction from surface and groundwater.
6. Measures to control recharging of groundwater.
7. Measures to control point source discharges.
8. Measures to prevent or control inputs of diffuse pollutants.
9. Measures to address any other significant impacts on status, in particular the hydromorphological condition.
10. Measures to prohibit direct discharges to groundwater.
11. Measures to eliminate or reduce pollution by Priority Substances.
12. Measures to prevent accidental pollution.

Legislation in Article 10 and in Part A of Annex VI:

(i) The Bathing Water Directive (76/160/EEC).

(ii) The Birds Directive (79/409/EEC).

(iii) The Drinking Water Directive (80/778/EEC) as amended by Directive (98/83/EC).

(iv) The Major Accidents (Seveso) Directive (96/82/EC).

(v) The Environmental Impact Assessment Directive (85/337/EEC).

(vi) The Sewage Sludge Directive (86/278/EEC).

(vii) The Urban Waste Water Treatment Directive (91/271/EEC).

(viii) The Plant Protection Products Directive (91/414/EEC).

(ix) The Nitrates Directive (91/676/EEC).

(x) The Habitats Directive (92/43/EEC).

(xi) The Integrated Pollution Prevention Control Directive (96/61/EC).

Supplementary measures are those measures designed and implemented in addition to the basic measures where they are necessary to achieve the Environmental Objectives of the WFD as established in Article 4 and Annex V. Supplementary measures can include additional legislative powers, fiscal measures, research, educational campaigns that go beyond the basic measures and are deemed necessary for the achievement of objectives.

According to Article 11(5), additional measures may be necessary when a water body is unlikely to achieve the objectives under Article 4, after the adoption of the measures under the first RBMP. If the implementation of an additional measure lasts longer than one river basin management planning cycle this measure becomes either a basic or supplementary measure.

Measures should be targeted in terms of their type and extent to ensure that pressures are addressed and that this will deliver improvements towards achieving good status or potential in individual water bodies. The measures should be designed based on the assessment of the actual status of the water body, supplemented with the information from the analysis of pressures and impacts affecting the water body.

### Role of Key Types of Measures

The concept of Key Types of Measures (KTMs) was developed in 2012 to simplify reporting. This approach was the consequence of the large differences in the level of detail reported in 2010. Some Member States reported 10-20 measures whilst others reported hundreds or even thousands. KTMs are groups of measures identified by Member States in the PoMs which target the same pressure or purpose. The individual measures included in the PoM (being part of the RBMP) are grouped into KTMs for the purpose of reporting. The same individual measure can be part of more than one KTM because it may be multi-purpose, but also because the KTMs are not completely independent silos. There is certain degree of overlap to ensure that the Member States can more easily find the way to report their PoMs.

KTMs are expected to deliver the bulk of the improvements through reduction in pressures required to achieve WFD Environmental Objectives. A KTM may be one national measure but it would typically comprise more than one national measure. For example, in some Member States, the Nitrates Action Plan may be enough to reduce diffuse nutrient pollution from agriculture to levels consistent with the achievement of good ecological status or potential. In this case KTM2 (see list below) may be associated with one Article 11.3.a basic measure (i.e. implementation of the Nitrates Directive). In other Member States, basic measures under Article 11.3.h (binding rules for the control of diffuse pollution) and supplementary measures (Article 11.4) may also be required to achieve WFD Environmental Objectives: in the latter case, KTM2 would be associated with at least 3 national measures.

It is expected that the Member States will be able to report their PoMs by associating their national measures with the predefined KTMs. Given the fact that the predefined KTMs cover the main water management issues in the EU, the use of additional KTMs defined by the Member States is expected to be exceptional.

To provide information on the relative contribution of Article 11.3.a and 11.3. b to l basic measures and supplementary measures to KTMs and the achievement of WFD Environmental Objectives, Member States are required to report on the national measures associated with the KTMs. Details of the individual measures are, however, not requested to be reported except for some targeted questions on basic measures and other specific aspects.

### Predefined KTMs

Predefined Key Types of Measure (KTM) for the 2016 reports are based on the KTMs defined for the 2012 progress reports on implementation of programme of measures, the new ones reported by Member States in 2012 and commonly reported significant pressures not previously incorporated by predefined KTMs.

It is expected that most Member States will be able to report their measures in terms of predefined KTMs. The use of additional "new" KTMs should be very limited to facilitate comparability and the consolidation of information at EU level. The Member States are expected to "bundle" their national measures (usually much more detailed than the KTMs) to report them in an aggregated way as KTMs (see sections 10.1.2 Role of KTMs and below Mapping KTMs to individual measures). Quantitative indicators are reported at the level of KTMs.

The 25 predefined KTMs are listed below.

| KTM number | **KTM description** |
| --- | --- |
| 1 | Construction or upgrades of wastewater treatment plants. |
| 2 | Reduce nutrient pollution from agriculture. |
| 3 | Reduce pesticides pollution from agriculture. |
| 4 | Remediation of contaminated sites (historical pollution including sediments, groundwater, soil). |
| 5 | Improving longitudinal continuity (e.g. establishing fish passes, demolishing old dams). |
| 6 | Improving hydromorphological conditions of water bodies other than longitudinal continuity (e.g. river restoration, improvement of riparian areas, removal of hard embankments, reconnecting rivers to floodplains, improvement of hydromorphological condition of transitional and coastal waters, etc). |
| 7 | Improvements in flow regime and/or establishment of ecological flows. |
| 8 | Water efficiency, technical measures for irrigation, industry, energy and households. |
| 9 | Water pricing policy measures for the implementation of the recovery of cost of water services from households. |
| 10 | Water pricing policy measures for the implementation of the recovery of cost of water services from industry. |
| 11 | Water pricing policy measures for the implementation of the recovery of cost of water services from agriculture. |
| 12 | Advisory services for agriculture. |
| 13 | Drinking water protection measures (e.g. establishment of safeguard zones, buffer zones etc). |
| 14 | Research, improvement of knowledge base reducing uncertainty. |
| 15 | Measures for the phasing-out of emissions, discharges and losses of Priority Hazardous Substances or for the reduction of emissions, discharges and losses of Priority Substances. |
| 16 | Upgrades or improvements of industrial wastewater treatment plants (including farms). |
| 17 | Measures to reduce sediment from soil erosion and surface run-off. |
| 18 | Measures to prevent or control the adverse impacts of invasive alien species and introduced diseases. |
| 19 | Measures to prevent or control the adverse impacts of recreation including angling. |
| 20 | Measures to prevent or control the adverse impacts of fishing and other exploitation/removal of animal and plants. |
| 21 | Measures to prevent or control the input of pollution from urban areas, transport and built infrastructure. |
| 22 | Measures to prevent or control the input of pollution from forestry. |
| 23 | Natural water retention measures. |
| 24 | Adaptation to climate change. |
| 25 | Measures to counteract acidification. |

### Mapping of pressures to KTMs

Guidance is provided on how KTMs might be applicable to significant pressures and chemical substances causing failure of objectives. This is done by mapping significant pressures, Priority Substances causing failure of good chemical status or other relevant objectives, and RBSPs causing failure of good ecological status or potential to the predefined KTMs. More than one KTM may apply to any particular pressure or substance depending on the impacts of the pressure (e.g. nutrient pollution, organic pollution or chemical pollution), and the specific conditions in a Member State. The results of the indicative mapping of pressures to KTMs are provided in Annex 3.

### Quantitative indicators for the scale of pressures

In addition, quantitative indicators for the scale of the pressure or chemical substance failure are given for each significant pressure and, generically, for Priority Substances or RBSPs. These quantitative indicators are intended to provide information on the expected gap to be filled at the start of the second planning cycle in 2015 in terms of the scale of the pressure that needs to be reduced to achieve WFD Environmental Objectives. In terms of the achievement of good ecological status or potential, the gap to be filled would equate to the required reduction in pressures (e.g. loads of nutrients) so that water bodies at (or expected to be at) less than good status or potential in 2015 would achieve good status or potential. Values of the quantitative indicators are also required for 2021 and 2027, reflecting the scale of the pressure that would still be required to be tackled so that WFD Environmental Objectives can be achieved. The values for 2021 and 2027 would, therefore, be expected to be lower than the value for 2015.

It is recommended that Member States report one standard indicator for each pressure or chemical substance (number and length/area of water bodies affected by the relevant significant pressure or chemical substance) and at least one other predefined indicator specifically relevant for the individual pressure or chemical substance (as many as the Member State wishes). On the one hand, this will provide comparable information on the starting point and expected progress (using the standard indicator); and on the other hand, will enable Member States to choose the indicator for the pressure or chemical substance which is more suitable to their specific condition or for which information is readily available. In the event that Member States cannot report the predefined quantitative indicators, they are able to select and report their own quantitative indicators that best meet their specific conditions and situation. The list of predefined indicators is provided in Annex 8p.

Quantitative indicators are considered a management tool and represent the best estimate that the Member State can provide to show the gap to achieving good status or potential and the intended progress by a certain deadline. The quantification of pressures, as with any other process in the planning cycle, is subject to uncertainties. There will be cases where data and information are not available to produce a useful quantitative indicator. This may be particularly the case for certain pressures which are more difficult to quantify and/or in complex RBDs subject to many pressures, where it is difficult to disaggregate the pressure-measure relationships.

On this basis, the Member States are requested to report quantitative indicators for pressures to the best extent possible and for the pressures where this information is available or can be derived on the basis of a reasonable effort. In this regard, the lack of reporting of quantitative indicators for pressures does not imply a failure to comply with the WFD obligations. As an alternative, Member States can use other policy supporting tools to evaluate pressures and the effects of measures. In this case, a reference to these management tools should be reported.

Indicators are developed in such a way that they represent the gap to achieving good status or potential for each given significant pressure. Therefore, an indicator value of 0 would mean a level of pressure compatible with 100 % good status or potential, i.e. which would enable the affected water bodies to achieve good status or potential. However, given that the affected water bodies may be subject to other pressures, they may still not achieve good status or potential. In addition, good status or potential may not be achieved immediately due to natural conditions or the delayed response of the ecosystem.

Reporting of quantitative indicators for 2027 is optional. A value of the pressure indicator larger than 0 in 2027 would be interpreted as meaning that the Member State expects to rely on Article 4(5) setting lower Environmental Objectives. Alternatively, if the information is available, the Member State can report whether it expects to rely on the use of Article 4(5) for the last planning cycle (i.e. the percentage range of water bodies for which it expects good status would not be achieved in 2027).

### Quantitative indicators for the scale and progress with implementation of measures

One or more quantitative indicators have been predefined for each KTM. These are intended to provide information on the scale of the measure that is expected to reduce the pressures to levels that enable WFD Environmental Objectives to be achieved. The value of the indicator at the start of the second planning cycle in 2015 would give information on the scale of the measure (e.g. number of wastewater treatment plants that need upgrading, the number of barriers that need modification to enable continuity, the length of buffer strips required to reduce diffuse emissions, etc) that would reduce the pressures to a level which would enable affected water bodies to achieve WFD Environmental Objectives. As with pressures, implementing certain KTMs may not be sufficient to achieve the objectives in a multi-pressure context.

Values of the quantitative indicators are also required for 2021 and 2027 to provide information on the expected progress of the measures over the second and third planning cycles. If all measures planned in 2015 were fully implemented and made operational by 2021, then the value of the indicator in 2021 would be 0. If the values of the indicator in 2015 and 2021 are the same it means no progress is expected between these dates (i.e. during the second planning cycle). The indicator values should get smaller as progress is made in the implementation of the measures.

Member States are able to select as many of the predefined quantitative indicators of KTM implementation as is appropriate to their conditions and situation but are asked to select at least one predefined indicator for each KTM. Member States are also able to select and report their own quantitative indicators that best meet their specific conditions and situation. Predefined indicators are provided in Annex 8r.

The quantification of measures to achieve the Environmental Objectives of the WFD is considered part of the WFD implementation. However, it can be a challenging task, in particular for pressures for which the pressure-measure relationship is subject to larger uncertainties and also in complex RBDs subject to many pressures. There will be cases where data and information are not available to produce a useful quantitative indicator.

As with the quantitative indicators for pressures, the Member States are requested to report quantitative indicators for measures to the best extent possible and for the measures where this information is available or can be derived on the basis of a reasonable effort. In this regard, the lack of reporting of quantitative indicators for measures does not imply a failure to comply with the WFD obligations. As an alternative, MS can use other policy supporting tools to evaluate pressures and the effects of measures. In this case, a reference to these management tools should be reported.

KTMs can be relevant for more than one pressure, and for a single pressure, more than one KTM may be applicable. This many-to-many relationship requires a flexible reporting structure. The same significant pressures can be reported more than once if it is linked to several KTMs. The table below provides an example of this for diffuse pollution in agriculture, where KTM2 and KTM3 are relevant.

It will be possible to add other new KTMs that are important in a particular RBD where the significant pressure being tackled is not covered by one of the predefined KTMs. In this case, the Member State should also report a quantitative indicator of the expected progress of the measure over the second planning cycle, including definition of the indicator, units, value representing the situation in 2015 and the expected situation in 2021 at the end of the second planning cycle.

Indicators are developed in such a way that they represent the gap to achieving good status or potential for each given measure. Therefore, an indicator value of 0 would mean a KTM compatible with 100 % good status or potential, i.e. which would enable the affected water bodies to achieve good status or potential. However, given that the affected water bodies may be subject to other KTMs, they may still not achieve good status or potential. In addition, good status or potential may not be achieved immediately due to natural conditions or the delayed response of the ecosystem. Any new KTM indicators reported by Member States should be constructed in the same way.

Reporting of quantitative indicators for 2027 is optional. A value of the KTM indicator larger than 0 in 2027 would be interpreted as meaning that the Member State expects to rely on Article 4(5) setting lower Environmental Objectives. Alternatively, if the information is available, the Member State can report whether it expects to rely on the use of Article 4(5) for the last planning cycle (i.e. the percentage range of water bodies for which it expects good status would not be achieved in 2027).

The following table shows an example of the kind of information that could be derived from reporting (this table is a theoretical example given for illustrative purposes only):

For a particular RBD/Sub-unit:

| SW or GW | Significant pressure or substance failing | Percentage of water bodies affected by significant pressure or by substance failure | Indicator for pressure (element IndicatorGap) | Indicator for scale of pressure 2015 (Value Indicator Gap2015) | Indicator for scale of pressure 2021 (Value Indicator Gap2021) | Indicator for scale of pressure 2027 (Value Indicator Gap2027) | KTM used to address this pressure or substance | Indicator for KTM (KTM Indicator) | Indicator of the scale of measure needed to achieve 100% GES/GEP/GCS (KTM Indicator Value2015) | Indicator of the remaining scale of measure needed to achieve 100% GES/GEP/GCS (KTM Indicator Value2021) | Indicator of the remaining scale of measure needed to achieve 100% GES/GEP/GCS (KTM Indicator Value2027) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SW | 1.1. Point - urban waste water | 25% | Number of water bodies affected | 250 | 180 | 0 | KTM1 construction or upgrade of WWTP | Number of WWTPs to be constructed or upgraded | 53 | 25 | 0 |
| Length of water bodies affected (km) | 2000 | 1300 | 0 |
| Load of BOD to be reduced (in tonnes) to achieve objectives | 50000 | 20000 | 0 |
| Load of nitrogen to be reduced (in tonnes) to achieve objectives | 4500 | 3250 | 0 |
| Load of phosphorus to be reduced (in tonnes) to achieve objectives | 300 | 200 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| SW | 1.2 Point - Storm overflows | 13% | Number of water bodies affected | 130 | 70 | 0 | KTM1 construction or upgrade of WWTP | Number of urban areas where sewer systems need upgrading | 11 | 5 | 0 |
| Length of water bodies affected (km) | 900 | 500 | 0 |
| Number of urban areas with excessive overflows | 11 | 5 | 0 |
| SW | 1.3 Point - IED plants | 5% | Number of water bodies affected | 50 | 0 | 0 | KTM16 upgrades of industrial WWTP | Number of revised permit required to achieve objectives | 16 | 0 | 0 |
| Length of water bodies affected (km) | 300 | 0 | 0 |
| Number of permits not compatible with objective | 16 | 0 | 0 |
| SW | 1.4 Point - non-IED plants | 4% | Number of water bodies affected | 40 | 0 | 0 | KTM16 upgrades of industrial WWTP | Number of revised permit required to achieve objectives | 7 | 0 | 0 |
| Length of water bodies affected (km) | 230 | 0 | 0 |
| Number of permits not compatible with objective | 7 | 0 | 0 |
| SW | 2.2 Diffuse - agriculture | 60% | Number of water bodies affected | 600 | 450 | 200 | KTM2 Reduce nutrient pollution from agriculture | Area of agricultural land covered by measures (km2) to achieve objectives | 6000 | 3000 | 700 |
| Length of water bodies affected (km) | 4200 | 3100 | 1000 |
| Load of nitrogen to be reduced (in tonnes) to achieve objectives | 26000 | 20000 | 8000 |
| SW | 2.2 Diffuse - agriculture | 40% | Number of water bodies affected | 400 | 250 | 100 | KTM2 Reduce nutrient pollution from agriculture | Area of agricultural land covered by measures (km2) to achieve objectives | 2400 | 1500 | 350 |
| Length of water bodies affected (km) | 2200 | 1100 | 300 |
| Load of phosphorus to be reduced (in tonnes) to achieve objectives | 3500 | 1500 | 1000 |
| SW | 2.2 Diffuse - agriculture | 20% | Number of water bodies affected | 200 | 100 | 0 | KTM3 Reduce pesticide pollution from agriculture | Area of agricultural land covered by measures (km2) to achieve objectives | 1000 | 500 | 0 |
| Length of water bodies affected (km) | 1200 | 600 | 0 |
| GW | 3.1 Abstraction - Agriculture | 33% | Volume of water abstracted/ diverted for agriculture (million m3) to be reduced to achieve objectives | 15000 | 12000 | 3000 | KTM7 improvements flow regime and eflows | Number of revised permit required to achieve objectives |  |  |  |
| SW | 4.1.1 Physical alteration for flood protection | 15% | Length in km of water bodies affected by alterations not compatible with GES/GEP | 250 | 150 | 0 | KTM6 improving hymo conditions | Length in km of water bodies that need restoration | 250 | 150 | 0 |
| SW | 4.2.1 Dams barriers for hydropower | 22% | Nb of dams with operating conditions not compatible with GES/GEP | 85 | 45 | 5 | KTM5 improving longitudinal continuity | Number of barriers required to be tackled for the achievement of objectives | 85 | 45 | 5 |
| SW | 4.3.3 Hydrological alteration - hydropower | 32% | Length in km of water bodies affected by hydrological alterations not compatible with GES/GEP | 100 | 50 | 0 | KTM7 improvements flow regime and eflows | Number of revised permits | 75 | 40 | 0 |

### How will the European Commission and the EEA use the information reported?

Information provided by Member States will be used by the European Commission to ensure that the provisions of Article 11 have been properly and consistently applied according to the WFD, and to produce policy relevant information about the implementation of the PoMs and the relevant measures.

Statistics and information will be provided to the European Parliament at EU level. Information will be provided to the public through WISE.

#### Products from reporting

| **Nb** | **Name of product** | **Type of product** | **Scale of information\*** | **Detailed information displayed** | **Source of detailed information and aggregation rule** | **Used in 2012 reports?\*** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | **Percentage of water bodies failing objectives due to different pressures** | Chart, table or map | EU/MS/RBD | Percentage of water bodies failing objectives due to different pressures, for all surface water bodies or by category | Information reported at RBD level. | No |
| 2 | **Costs of measures** | Chart, table or map | EU/MS/RBD | Total costs of the PoM or disaggregated by basic measures 11(3)a, basic measures 11(3)b-l and supplementary measures. | Information reported at RBD level. | No |
| 3 | **Measures in place to tackle significant pressures and chemical substances causing failure of objectives** | Assessment report | EU/MS/RBD | Measures in place to tackle significant pressures and chemical substances causing failure of objectives. | Information reported at RBD/Sub-unit level and also in specifically referenced documents or sections in the RBMP. | Yes |
| 4 | **Progress with implementing and making programmes of measures operational** | Assessment report | EU/MS/RBD | Expected progress during second and third planning cycles. Actual progress due to be reported in 2018 and 2024. | Information reported at RBD/Sub-unit level and also in specifically referenced documents or sections in the RBMP. | Yes |

### Contents of 2016 reporting

#### Schema sketch

See Annex 10.7.

#### Information and data to be reported using the schema

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| **Schema: RBMPPoM (continued)** |
| ***Class PoM***  ***Properties:*** *maxOccurs = unbounded minOccurs = 1* |
| **Schema element**:euSubUnitCode  **Field type / facets:** FeatureUniqueEUCodeType  **Properties:** maxOccurs =1 minOccurs = 0  **Guidance on completion of schema element:** Conditional. If applicable, report theunique EU code of the Sub-unit. If there are no sub-units this element does not need to be reported and the reporting of the information is done at RBD level. Sub-units are only relevant for surface water.  **Quality checks**:Conditional check: Report if *RBDSUCA/RBD/*subUnitsDefined is ‘Yes’.  Element check: First 2 characters must be the Member State’s 2-alpha character ISO country code.[[1]](#footnote-2)    Cross-schema check: euSubUnitCode must be consistent with codes reported in *RBDSUCA/RBD/SubUnit/*euSubUnitCode |
| **Schema element**:surfaceWaterOrGroundwater  **Field type / facets:** SWBorGWB\_Enum:  Surface water  Groundwater  **Properties:** maxOccurs =1 minOccurs = 1  **Guidance on completion of schema element**:Required.Select surface water or groundwater in turn from the enumeration list where measures are required to achieve the WFD Environmental Objectives. |

The following class (child of PoM) is used to report the significant pressure type(s) and Priority Substance(s) or RBSP(s) that are causing failure of good ecological status or potential, or failure of good chemical status.

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| **Schema: RBMPPoM** |
| ***Class SignificantPressureSubstanceFailing***  ***Properties:*** *maxOccurs = unbounded minOccurs = 1* |
| **Schema element**:significantPressureOrSubstanceFailing  **Field type / facets:** SignificantPressureOrSubstanceFailingType\_Union\_Enum: union of SignificantPressureType\_Enum (Annex 1a) and ChemicalSubstances\_Union\_Enum (Annex 8e)  **Properties:** maxOccurs =1 minOccurs = 1  **Guidance on completion of schema element**:Required. Select in turn:  - each significant pressure type in turn from the enumeration list that is, by itself or in combination with other pressures, significant in terms of Environmental Objectives not being met (i.e. is causing failure of good ecological status or potential or failure of good chemical status),  - each Priority Substance that is causing failure of good chemical status  - each RBSP that is causing failure of good ecological status or potential  and for which measures are required to reduce the pressure to a level and extent that enables the Environmental Objectives to be met. More than one significant pressure type may be selected. |
| **Schema element:** significantPressureOrSubstanceFailingOther  **Field type / facets**: string250Type  **Properties**: maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. If ‘significantPressureOrSubstanceFailing’ is ‘EEA\_00-00-0 Other chemical parameter’ please indicate in this field the CAS number (if relevant) and the name of the pollutant or indicator.  **Quality check**: Conditional check: report if ‘significantPressureOrSubstanceFailing’ is ‘EEA\_00-00-0 Other chemical parameter’. |
| **Schema element**:useArticle45Beyond2027  **Field type / facets:** useArticle45Beyond2027\_Enum:  0  0-10  10-20  20-50  >50%  No information  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**:Required. For each significant pressure type and chemical substance reported, select the estimated percentage of water bodies from the enumeration list for which it is expected that less stringent objectives will be set under WFD Article 4(5) in the third cycle, i.e. the percentage of water bodies that are not expected to achieve good status or potential by 2027. If the information is not available, select ‘No information’. |

The following class (child of SignificantPressureSubstanceFailing) is used to report for each significant pressure type or chemical substance selected, the quantitative indicators of the scale of the pressures in terms of the gap required to be filled for the achievement of the Environmental Objectives.

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| **Schema: RBMPPoM** |
| ***Class IndicatorGap***  ***Properties:*** *maxOccurs = unbounded minOccurs = 1* |
| **Schema element**: indicatorGap  **Field type / facets**: IndicatorPressure\_Enum (see Annex 8p)  **Properties:** maxOccurs =1 minOccurs = 1  **Guidance on completion of schema element**: Required. For each significant pressure type or chemical substance reported, select the pre-defined quantitative indicator of the scale and extent of the pressure or chemical substance that is to be reduced by measures to achieve Environmental Objectives. This is the gap to be filled to meet objectives. At least one of the pre-defined quantitative indicators must be selected from the enumeration list although more than one may be appropriate for the situation in the RBD.  Select the ‘PO99 – Other indicator’ option from the enumeration list to report details of additional quantitative indicators developed by the Member State in the relevant schema elements.  For indicative purposes, the pressures and chemical substances have been mapped to the pre-defined Key Types of Measure (KTMs) (see Annex 3). Quantitative indicators have been proposed for each pressure or chemical substance causing failure and the relevant KTMs.  All indicators are defined in terms of what needs to be done to achieve Environmental Objectives (i.e. good ecological status or potential or good chemical status). This means that the value of the indicator will be reduced with time as measures are implemented. A value of 0 is comparable with 100 % good ecological status or potential or good chemical status. Any ‘Other’ indicator reported by Member States should be constructed in the same way. |
| **Schema element:** indicatorGapOther  **Field type / facets:** String 1000Type  **Properties:** maxOccurs = 1 min minOccurs = 0  **Guidance on completion of schema element:** Conditional. If ‘PO99 – Other indicator’ has been reported in indicatorGap, report a short name and description of the quantitative indicator of the scale and extent of the pressure or chemical substance that is to be reduced by measures to achieve Environmental Objectives. This is the gap to be filled to meet objectives. More than one ‘Other’ indicator may be reported.  All indicators are defined in terms of what needs to be done to achieve Environmental Objectives (i.e. good ecological status or potential or good chemical status). This means that the value of the indicator will be reduced with time as measures are implemented. A value of 0 is comparable with 100 % good ecological status or potential or good chemical status. Any ‘Other’ indicator reported by Member States should be constructed in the same way.  **Quality checks:** Conditional check:Report if indicatorGap is ‘PO99 – Other indicator’. |
| **Schema element**: indicatorGapValue2015  **Field type / facets:** NumberDecimalType  **Properties**: maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. For each pre-defined quantitative indicator selected in indicatorGap, report the expected value of that indicator at the start of the second cycle in 2015.  The value for 2015 should give a quantitative indication of the scale of the measures still needed to achieve 100 % compliance with the achievement of Environmental Objectives (i.e. good ecological status or potential or good chemical status). This means that the value of the indicator will be reduced with time as measures are implemented. A value of 0 is comparable with 100 % good ecological status or potential or good chemical status. |
| **Schema element**: indicatorGapValue2021  **Field type / facets:** NumberDecimalType  **Properties**: maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. For each pre-defined quantitative indicator selected in IndicatorGap, report the expected value of that indicator at the start of the third cycle in 2021.  The value for 2021 should give an indication of the expected situation in 2021 in terms of remaining measures needed to achieve Environmental Objectives (i.e. good ecological status or potential or good chemical status). The difference between the indicator value in 2015 and 2021 should provide an indication of the progress expected in the second cycle. If all measures needed to achieve the Environmental Objectives are expected to be fully operational, the value of the indicator should be 0. |
| **Schema element**: indicatorGapValue2027  **Field type / facets:** NumberDecimalType  **Properties**: maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Optional. For each pre-defined quantitative indicator selected in IndicatorGap, report the expected value of that indicator at the end of the third cycle in 2027.  The value for 2027 should give an indication of the expected situation in 2027 in terms of remaining measures needed to achieve Environmental Objectives (i.e. good ecological status or potential or good chemical status). The difference between the indicator value in 2015 and 2027 should provide an indication of the overall progress expected in the second and third cycles. If all measures needed to achieve the Environmental Objectives are expected to be fully operational, the value of the indicator should be 0.  **Quality checks**: |

The following class (child of SignificantPressureSubstanceFailing) is used to report the selected Key Types of Measures to address the reported gap, and quantitative indicators of the expected progress during the second and third planning cycles.

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| **Schema RBMPPoM (continued)** |
| ***Class KeyTypeMeasureIndicator***  ***Properties:*** *maxOccurs = unbounded minOccurs = 1* |
| **Schema element**:keyTypeMeasure  **Field type / facets:** KTM\_Enum (see Annex 8q)  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. For each significant pressure type and chemical substance reported, report the pre-defined Key Types of Measure (KTMs) that will be made operational to reduce the pressure or chemical substance.  More than one “Other key type of measure” (KTM99) may be relevant for a significant pressure type or chemical substance. Furthermore, there may be more than one indicator for a KTM. In those cases, each combination KTM/indicator should correspond to a separate entry. Therefore, the same KTM and the same indicator can be introduced more than once.  For example, in terms of diffuse agricultural pressures, KTM2 (reduce nutrient pollution from agriculture), KTM3 (Reduce pesticide pollution from agriculture) and KTM17 (measures to reduce sediment from soil erosion and surface run-off) may be applicable depending on the impacts of the agricultural diffuse pressures.  If the pre-defined KTMs are not appropriate, select the ‘KTM99 – Other key type measure reported under PoM’ option from the enumeration list and report details of the other (new) KTMs developed by the Member State in the schema element keyTypeMeasureOther.  For indicative purposes, the pressures and chemical substances have been mapped to the pre-defined Key Types of Measure (KTMs) (see Annex 3). Quantitative indicators have been proposed for each pressure or chemical substance causing failure and the relevant KTMs. |
| **Schema element:** keyTypeMeasureOther  **Field type / facets:** String 1000Type  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element:** Conditional. For each significant pressure type and chemical substance reported, report the name of Key Types of Measure (KTMs) if the pre-defined KTMs are not appropriate that will be made operational to reduce the pressure or chemical substance. More than one new KTM may be reported.  **Quality checks:** Conditional check: report if ‘KTM99 – Other key type measure reported under PoM’ is reported in keyTypeMeasure. |
| **Schema element**:keyTypeMeasureIndicator  **Field type / facets:** IndicatorKTM\_Enum (see Annex 8r)  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**:Required. Select the pre-defined quantitative indicator from the enumeration list that relates to each pre-defined KTM reported in keyTypeMeasure. The indicator selected should give an indication of the remaining measures that will need to be made operational to achieve Environmental Objectives.  At least one of the pre-defined quantitative indicators of the KTMs must be selected from the enumeration list although more than one may be appropriate for the situation in the RBD. Select the ‘KO99 – Other indicator’ option from the enumeration list to report details of additional quantitative indicators of the KTMs developed by the Member State in the relevant schema elements.  There may be more than one indicator for a KTM. In those cases, each combination KTM/indicator should correspond to a separate entry. Therefore, the same KTM and the same indicator can be introduced more than once.  For indicative purposes, the pressures and chemical substances have been mapped to the pre-defined Key Types of Measure (KTMs) (see Annex 3). Quantitative indicators have been proposed for each pressure or chemical substance causing failure and the relevant KTMs.  All indicators are defined in terms of what needs to be done to achieve Environmental Objectives (i.e. good ecological status or potential or good chemical status). This means that the value of the indicator will be reduced with time as measures are implemented. A value of 0 is comparable with 100 % good ecological status or potential or good chemical status. Any ‘Other’ indicator reported by Member States should be constructed in the same way. |
| **Schema element:** keyTypeMeasureIndicatorOther  **Field type / facets:** String1000Type  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element:** Conditional. If ‘KO99 – Other indicator’ has been reported in keyTypeMeasureIndicator, report a short name and description of the quantitative indicator relating to the KTMs. More than one ‘Other’ indicator may be reported.  All indicators are defined in terms of what needs to be done to achieve Environmental Objectives (i.e. good ecological status or potential or good chemical status). This means that the value of the indicator will be reduced with time as measures are implemented. A value of 0 is comparable with 100 % good ecological status or potential or good chemical status. Any ‘Other’ indicator reported by Member States should be constructed in the same way.  **Quality checks:** Conditional check: Report if keyTypeMeasureIndicator is ‘KO99 – Other indicator’. |
| **Schema element**:keyTypeMeasureIndicatorValue2015  **Field type / facets:** NumberDecimalType  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**:Required. For each pre-defined quantitative indicator relating to the KTMs selected in keyTypeMeasureIndicator, report the expected value of that indicator at the start of the second planning cycle in 2015.  The value for 2015 should give a quantitative indication of the scale of the measures still needed to achieve 100 % compliance with the achievement of Environmental Objectives (i.e. good ecological status or potential or good chemical status). This means that the value of the indicator will be reduced with time as measures are implemented. A value of 0 is comparable with 100 % good ecological status or potential or good chemical status. |
| **Schema element**:keyTypeMeasureIndicatorValue2021  **Field type / facets:** NumberDecimalType  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**:Required.For each pre-defined quantitative indicator relating to the KTMs selected in keyTypeMeasureIndicator, report the expected value of that indicator at the start of the third cycle in 2021.  The value for 2021 should give an indication of the expected situation in 2021 in terms of remaining measures needed to achieve Environmental Objectives (i.e. good ecological status or potential or good chemical status). The difference between the indicator value in 2015 and 2021 should provide an indication of the progress expected in the second cycle. If all measures needed to achieve the Environmental Objectives are expected to be fully operational, the value of the indicator should be 0. |
| **Schema element**:keyTypeMeasureIndicatorValue2027  **Field type / facets:** NumberDecimalType  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**:Optional.For each pre-defined quantitative indicator relating to the KTMs selected in keyTypeMeasureIndicator, report the expected value of that indicator at the end of the third cycle in 2027.  The value for 2027 should give an indication of the expected situation in 2027 in terms of remaining measures needed to achieve Environmental Objectives (i.e. good ecological status or potential or good chemical status). The difference between the indicator value in 2015 and 2027 should provide an indication of the overall progress expected in the second and third cycles. If all measures needed to achieve the Environmental Objectives are expected to be fully operational, the value of the indicator should be 0. |

**Mapping KTMs to individual measures**

The following class allows mapping Key Types of Measures to individual measures in the Member States.

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| **Schema: RBMPPoM (continued)** |
| ***Class KTM***  ***Properties:*** *maxOccurs = unbounded minOccurs = 1* |
| **Schema element**:keyTypeMeasure  **Field type / facets / relationship**: KTM\_Enum (see Annex 8q)  **Properties**: maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Select each appropriate pre-defined Key Type of Measure (KTM) or ‘KTM99 – Other key type measure reported under PoM’ in turn from the enumeration list used to reduce significant pressures in the RBD.  **Quality checks**: Element check: keyTypeMeasure must be reported. A valid option must be selected from the enumeration list. More than one option can be selected. |
| **Schema element:** keyTypeMeasureOther  **Field type / facets:** String 1000Type  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element:** Conditional. For each significant pressure type and chemical substance reported, report the name of Key Types of Measure (KTMs) if the pre-defined KTMs are not appropriate that will be made operational to reduce the pressure or chemical substance. More than one New KTM may be reported.  **Quality checks:** Conditional check: report if ‘KTM99 – Other key type measure reported under PoM’ is reported in keyTypeMeasure. |

The following class (child of KTM) is used to report information on the individual measures (national or RBD specific measures) which are included in each KTM.

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| **Schema: RBMPPoM (continued)** |
| ***Class: Measure***  ***Properties:*** *maxOccurs = unbounded minOccurs = 1* |
| **Schema element**:measureCode  **Field type / facets:** String1000Type  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. For each pre-defined or new KTM report the unique code of each national or RBD specific measure incorporated into the KTM. |
| **Schema element**: measureName  **Field type / facets:** String1000Type  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Provide the name for each national or RBD measure. This should reflect the pressure that is being tackled by the measure. |
| **Schema element**: measureType  **Field type / facets:** MeasureType\_Enum:  Basic  Supplementary  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. For each pre-defined or new KTM indicate whether each national or RBD specific measure incorporated into the KTM is a basic measure as required under Article 11(3)(a) or Article 11(3)(b-l), or a supplementary measure as required under Article 11.4 when basic measures are not enough to tackle specific significant pressures. |
| **Schema element**:basicMeasureType  **Field type / facets:** BasicMeasureType\_Enum:  Urban Waste Water Treatment  Nitrates  IPPC IED  Habitats or Birds  Cost recovery water services  Efficient water use  Protection water abstraction  Controls water abstraction  Recharge augmentation groundwaters  Point source discharges  Pollutants diffuse  Hydromorphology  Pollutants direct groundwater  Surface Priority Substances  Accidental pollution  Other  **Properties:** maxOccurs= unbounded minOccurs = 0  **Guidance on completion of schema element**: Conditional. For each national or RBD specific measure incorporated into the KTM which is a basic measure, select from the enumeration list to which type of basic measure it corresponds. More than one option may be selected per measure.  See glossary below (10.1.10) for further guidance on the roles of basic and supplementary measures in the achievement of WFD Environmental Objectives.  ‘Urban Waste Water’ = Urban Waste Water Treatment Directive (91/271/EEC)[[2]](#footnote-3).  ‘Nitrates’ = Nitrates Directive (91/676/EEC)[[3]](#footnote-4).  ‘IPPC IED’ = Integrated Pollution Prevention Control Directive (96/61/EC)[[4]](#footnote-5) and the Industrial Emissions Directive (2010/75/EU)[[5]](#footnote-6).  ‘Habitats or Birds’ = Habitats Directive (92/43/EEC)[[6]](#footnote-7) or Birds Directive (2009/147/EC)[[7]](#footnote-8)  ‘Cost recovery water services’ = Article 11(3)(b): Measures for the recovery of cost of water services (Article 9).  ‘Efficient water use’ = Article 11(3)(c): Measures to promote efficient and sustainable water use.  ‘Protection water abstraction’ = Article 11(3)(d): Measures for the protection of water abstracted for drinking water (Article 7) including those to reduce the level of purification required for the production of drinking water.  ‘Controls water abstraction’ = Article 11(3)(e): Controls over the abstraction of fresh surface water and groundwater and impoundment of fresh surface waters including a register or registers of water abstractions and a requirement for prior authorisation of abstraction and impoundment.  ‘Recharge augmentation groundwaters’ = Article 11(3)(f): Controls, including a requirement for prior authorisation of artificial recharge or augmentation of groundwater bodies.  ‘Point source discharges’ = Article 11(3)(g): Requirement for prior regulation of point source discharges liable to cause pollution.  ‘Pollutants diffuse’ = Article 11(3)(h): Measures to prevent or control the input of pollutants from diffuse sources liable to cause pollution.  ‘Hydromorphology’ = Article 11(3)(i): Measures to control any other significant adverse impact on the status of water, and in particular hydromorphological impacts.  ‘Pollutants direct groundwater’ = Article 11(3)(j): Prohibition of direct discharge of pollutants into groundwater.  ‘Surface Priority Substances’ = Article 11(3)(k): Measures to eliminate pollution of surface waters by Priority Substances and to reduce pollution from other substances that would otherwise prevent the achievement of the objectives laid down in Article 4.  ‘Accidental pollution’ = Article 11(3)(l): Any measures required to prevent significant losses of pollutants from technical installations and to prevent and/or reduce the impact of accidental pollution incidents.  ‘Other’ = Other Directives mentioned in Part A of Annex VI of the WFD.  **Quality checks**: Conditional check: Report if measureType is ‘Basic’. |
| **Schema element**:msfdRelevance  **Field type / facets:** YesNoLandlocked\_Union\_Enum  Yes  No  Landlocked country  Unclear  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. For each national or RBD specific measure incorporated into the KTM, report if it is relevant for the purpose of the Marine Strategy Framework Directive or not. |
| **Schema element**:measureReference  **Field type / facets:** ReferenceType (see Annex 9)  **Properties:** maxOccurs= unbounded minOccurs = 1  **Guidance on completion of schema element**: Required. Provide references or hyperlinks to the relevant documents and sections where specific information on the national or RBD specific measures can be found. Guidance on what should be included in this document is provided in Section 10.1.9. |

### Guidance on the contents of RBMPs/background documents

**Information on individual measures**

The following provides guidance on the aspects that the European Commission expects to find in the relevant chapters on Key Types of Measures in the RBMPs or in background documents. This guidance is not intended to be comprehensive in terms of what the Member States have to include in their RBMPs or background documents, rather to provide certain concrete elements of information that the European Commission expects to find.

References are required to detailed information on the national measures associated with Key Types of Measures. This could be published in a structured manner in the RBMP or in a specific background document. It is recommended that Member States develop templates to include relevant information for each measure. See section 10.2.3 for specific information that is required for basic measures.

The information should, as a minimum, be structured in terms of:

* Measure code.
* Measure name.
* Type of measure (basic: Article 11(3)(a), basic: Article 11(3)(b-l), supplementary: Article 11(4)).
* Water categories in which it is applicable.
* Geographic coverage of the measure (national, RBD, Sub-unit, water body level).
* Whether the measure was already in place in the first RBMP, is being modified or is new in the second RBMP.
* Description of the measure (e.g. experience in the first cycle (if relevant), pressures tackled, voluntary or mandatory (see section 10.2.3 for specific elements required for basic measures 11(3)(b-l)).
* The contribution that the measure is expected to make towards the achievement of WFD Environmental Objectives in the second and third planning cycles.
* Any potential obstacles to its successful implementation.
* The lead organisation or Competent Authority responsible for the implementation of the measure.
* Partners responsible for assisting in the implementation of the measure (e.g. Amenity Groups, Non-Governmental Organisations (e.g. nature and river trusts), farmers, water industry, industry, local authorities, forestry agencies, mining and quarrying agencies, households, rural land managers and owners, navigation agencies, transport agencies, marine and fisheries agencies, nature agencies and regulators, other government departments, other).
* Information relating to the cost and financing of the measure and, in particular, whether financing has been secured for the second planning cycle.
* Sources of Funding (e.g. EU (Structural, Cohesion, Rural Development, Fisheries, LIFE or RTD), national funds (revenues from water charges, general budget)).

### Glossary of terms

**Basic Measures**

Article 11.3 of the WFD states that basic measures are the minimum requirements to be complied with and shall consist of [[8]](#footnote-9):

* Paragraph a: those measures required to implement Community **legislation** for the protection of water, including measures required under the legislation specified in Article 10 and in part A of Annex VI. The most important of those are:
  + Measures to achieve compliance with the Nitrates Directive (91/676/EEC)[[9]](#footnote-10), as defined in the Nitrates Action Programme under that Directive.
  + Measures to achieve compliance with the Urban Waste Water Treatment Directive (91/271/EEC)[[10]](#footnote-11) as defined mainly in Articles 3, 4, and 5 and Annex I of that Directive.
  + Measures to achieve compliance with the Industrial Emissions Directive (2010/75/EC)[[11]](#footnote-12), in particular the setting of emission limit values in accordance with BAT*.*
* Paragraphs b to l: measures that largely require binding rules that go beyond the national implementation of Article 11.3.a measures for the achievement of WFD Environmental Objectives. A number of paragraphs explicitly use the term "controls" in terms of, for example, the control of abstractions (paragraph e) (*e.g. requires abstraction permits to be revised in line with WFD requirements)*, diffuse sources (paragraph h) *(e.g. where phosphate, pesticides, sediment, organic pollution and ammonia from agriculture are identified as a pressure affecting the achievement of overall good status, controls must be established),* and activities that affect hydromorphological conditions (paragraph i) *(e.g. controls should be defined to ensure that actions in or near rivers do not negatively impact on morphological condition)*.

**Supplementary measures (Article 11.4)**

In certain situations, basic measures alone will not be sufficient to achieve good status and so supplementary measures may be needed. Member States must first have basic measures that are compliant with Article 11.3 and then, secondly, define supplementary measures and have a credible plan for securing and tracking progress on the established supplementary measures. Supplementary measures can be, for example, technical measures, advisory services or co-operative agreements between groups of stakeholders (see WFD Annex VI.B).

Basic and supplementary measures must, together, address the pressures to allow the achievement of the WFD Environmental Objectives.

## Targeted questions on basic measures and other aspects

### Contents of 2016 reporting

#### Schema sketch

See Annex 10.7.

#### Information and data to be reported using the schemas

**Targeted questions on basic measures**

The targeted questions included in the schema refer to Article 11(3) paragraphs b to l. Article 11.3 states that basic measures are the minimum requirements to be complied with and shall consist of measures under Article 11.3.a (i.e. those required to implement Community legislation for the protection of water) and those given under Article 11.3. b to l). While Article 11.3 (a-l) is prescriptive, the precise type of measure can be defined by the Member States depending on the specific pressures in a RBD. The targeted questions are asked in order to identify whether basic measures under Article 11.3 b to l have been planned for the second planning cycle and, in particular, the contribution they are expected to make to fill the gap to the achievement of WFD Environmental Objectives in the second and third planning cycles (the so-called "gap analysis"). An option has been included in each case in the event that basic measures of the relevant type have been implemented in the previous cycle and no modifications or additional measures are expected, the relevant reply should be selected ‘Measures already implemented and made operational and no new measures or significant modifications expected’.

For each targeted question please provide a precise reference to a document or section of the RBMP which describes the existing measures, the planned implementation of any new measure or significant change to existing measure for the second (and, if relevant, the third) planning cycle and the contribution it is expected to make to the achievement of WFD Environmental Objectives. Please avoid general references to the PoMs, but make a precise reference to the section including the relevant measures for each question.

See section on the Guidance on the contents of RBMPs/background documents for more detail of the information expected to be provided in the RBMP and background documents.

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| **Schema: RBMPPoM (continued)** |
| ***Class: TargetedQ***  ***Properties:*** *maxOccurs = 1 minOccurs = 1* |
| **Schema element**:basicMeasuresArt113c  **Field type / facets:** BasicMeasuresArt113c\_Enum:  Measures of this type implemented in previous cycle, no new measures nor significant changes planned.  Measures of this type implemented in previous cycle but new measures and/or significant changes planned.  No measures of this type implemented in previous cycle but new measures and/or significant changes planned.  No measures of this type implemented in previous cycle and no measures planned.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there are measures promoting efficient and sustainable water use in order to avoid compromising the achievement of the objectives specified in Article 4 (Article 11.3.c*)* (e.g. water metering and allocations). |
| **Schema element**:basicMeasuresArt113d  **Field type / facets:** BasicMeasuresArt113d\_Enum:  There are safeguard zones and there are no plans to change the regulations as a result of this RBMP.  There are safeguard zones but there will be significant changes to them implemented as a result of this RBMP.  There are no safeguard zones but there are plans to implement them as a result of this RBMP.  There are no safeguard zones and no plans to establish them.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there are measures to meet the requirements of Article 7, including measures to safeguard water quality in order to reduce the level of purification treatment required for the production of drinking water (i.e. have safeguard zones been established) (Article 11.3.d). |
| **Schema element**:basicMeasuresArt113ePermit  **Field type / facets:** BasicMeasures\_Enum:  Yes, for surface and groundwater.  Yes, for surface water only.  Yes, for groundwater only.  No.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there is a concession, authorisation and/or permitting regime to control water abstractions (Article 11.3.e). |
| **Schema element**:basicMeasuresArt113eRegister  **Field type / facets:** BasicMeasures\_Enum:  Yes, for surface and groundwater.  Yes, for surface water only.  Yes, for groundwater only.  No.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there is a register of abstractions (Article 11.3.e). |
| **Schema element**:basicMeasuresArt113eThreshold  **Field type / facets:** BasicMeasuresArt113eThreshold\_Enum:  Yes, small abstractions are exempted from controls.  Small abstractions do not require permits but are all registered.  No, there are no thresholds.  Not relevant as there is no permitting regime and no register.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there are thresholds below which abstractions do not require permits and are not subject to registration (Article 11.3.e). |
| **Schema element**:basicMeasuresArt113eImpoundment  **Field type / facets:** BasicMeasruesArt113eImpoundment\_Enum:  Yes, there is a concession, authorisation and/or permitting regime to control water impoundment and a register of impoundments.  There is a concession, authorisation and/or permitting regime to control water impoundment but no register of impoundments.  There is no concession, authorisation and/or permitting regime to control water impoundment but there is a register of impoundments.  No, there is no concession, authorisation and/or permitting regime to control water impoundment and no register of impoundments.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there is a concession, authorisation and/or permitting regime to control water impoundment, and/or a register of impoundments (Article 11.3.e). |
| **Schema element**:basicMeasuresArt113f  **Field type / facets:** BasicMeasuresArt113f\_Enum:  Measures of this type implemented in previous cycle, no new measures nor significant changes planned.  Measures of this type implemented in previous cycle but new measures and/or significant changes planned.  No measures of this type implemented in previous cycle but new measures and/or significant changes planned.  No measures of this type implemented in previous cycle and no measures planned.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether controls are in place, including a requirement for prior authorisation of artificial recharge or augmentation of groundwater bodies (Article 11.3.f). |
| **Schema element**: basicMeasuresArt113gPermit  **Field type / facets:** BasicMeasures\_Enum:  Yes, for surface and groundwater.  Yes, for surface water only.  Yes, for groundwater only.  No.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there is an authorisation and/or permitting regime to control waste water point source discharges (Article 11.3.g). |
| **Schema element*:*** basicMeasuresArt113gRegister  **Field type / facets:** BasciMeasures\_Enum:  Yes, for surface and groundwater.  Yes, for surface water only.  Yes, for groundwater only.  No.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there is a register of waste water discharges (Article 11.3.g). |
| **Schema element**:basicMeasuresArt113gThreshold  **Field type / facets:** BasicMeasuresArt113gThreshold\_Enum:  Yes, small discharges are exempted from controls.  Small discharges do not require permits but are all registered.  No, there are no thresholds.  Not relevant as there is no permitting regime and no register.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there are thresholds below which waste water discharges do not require permits and are not subject to registration (Article 11.3.g). |
| **Schema element**:basicMeasuresArt113hRules  **Field type / facets:** BasicMeasuresArt113hRules\_Enum:  Yes, same rules apply across the whole RBD.  Yes, but rules apply only in Nitrate Vulnerable Zones.  Yes, but there are differentiated rules for different parts of the RBDs.  No general binding rules.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there are general binding rules for the control of diffuse pollution from agriculture. |
| **Schema element**:basicMeasuresArt113hIssues  **Field type / facets:** BasicMeasuresArt113hIssues\_Enum:  Nitrates  Phosphorus  Pesticides  Sediments  Organic pollution  Microbiological/bacteriological pollution  Other pollutants  **Properties:** maxOccurs= unbounded minOccurs = 0  **Guidance on completion of schema element**: Conditional. Report the issues covered if there are general binding rules.  **Quality checks**: Conditional check: Report if basicMeasuresArt113hRules is not ‘No general binding rules’. |
| **Schema element**:basicMeasuresArt113iPermit  **Field type / facets:** YesNoCode\_Enum: Yes. No  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there is an authorisation and/or permitting regime to control physical modifications to the water bodies. |
| **Schema element**:basicMeasuresArt113iRiparian  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs= 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. If there is an authorisation and/or permitting regime to control physical modifications to the water bodies, indicate whether the regime covers changes to the riparian area of water bodies.  **Quality checks**: Conditional check: Report if basicMeasuresArt113iPermit is ‘Yes’. |
| **Schema element**:basicMeasuresArt113iRegister  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there is a register of physical modifications of water bodies. |
| **Schema element**:basicMeasuresArt113j  **Field type / facets:** BasicMeasuresArt113j\_Enum:  Yes, there is a prohibition of all direct discharges.  Some direct discharges are authorised in accordance with Article 11.3.j.  No, there is no prohibition of direct discharges.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether there is a prohibition of direct discharges (Article 11.3.j). |
| **Schema element**:basicMeasuresArt113k  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether, in accordance with action taken pursuant to Article 16, there are measures to eliminate pollution of surface waters by those substances specified in the list of Priority Substances agreed pursuant to Article 16(2) and to progressively reduce pollution by other substances which would otherwise prevent Member States from achieving the objectives for the bodies of surface waters as set out in Article 4 (Article 11.3.k). |
| **Schema element**:basicMeasuresArt113c-kReference  **Field type / facets:** ReferenceType (see Annex 9)  **Properties:** maxOccurs= unbounded minOccurs = 1  **Guidance on completion of schema element**: Required. Provide references or hyperlinks to the relevant document and section where specific information can be found on the application of basic measures (Article 11.3.c-k). Guidance on what should be included in this document is provided in Section 10.2.3. |

**Targeted questions on other aspects**

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| **Schema: RBMPPoM (continued)** |
| ***Class: TargetedQ (continued)***  ***Properties:*** *maxOccurs = 1 minOccurs = 1* |
| **Schema element**:waterReUse  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**:Required. Indicate whether re-use of water (e.g. from waste water treatment or industrial installations) is considered to have a lower environmental impact than other alternative water supplies (e.g. water transfers or desalinisation). |
| **Schema element**:waterReUseMeasure  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**:Required. Indicate whether re-use of water has been included in the RBMP as a measure in terms of managing water resources. |
| **Schema element**:ecologicalFlow  **Field type / facets:** EcologicalFlow\_Enum:  Yes, ecological flows have been derived for all relevant water bodies.  Partly, ecological flows have been derived for some relevant water bodies but the work is still on-going.  No, ecological flows have not been derived for the relevant water bodies but there are plans to do it during the second cycle.  No, ecological flows have not been derived for the relevant water bodies and there are no plans to do it during the second cycle.  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether ecological flows have been derived for all water bodies at risk of failing the Environmental Objectives due to abstractions, flow diversions or impoundments. |
| **Schema element**: ecologicalFlowImplementation  **Field type / facets:** EcologicalFlowImplementation\_Enum:  Yes, ecological flows which have been derived have been implemented in all relevant water bodies.  Partly, ecological flows which have been derived have been implemented in some relevant water bodies but the work is still on-going.  No, ecological flows which have been derived have not been implemented but there are plans to do it during the second cycle.  No, ecological flows which have been derived have not been implemented and there are no plans to do it during the second cycle.  **Properties:** maxOccurs= 1 minOccurs = 0  **Guidance on completion of schema elemen**t:Conditional. Indicate whether the ecological flows already available have been implemented in all relevant water bodies.  **Quality checks**: Conditional check: Report if ecologicalFlow is ’Yes…’ or ‘Partly…’. |
| **Schema element:** climateChange  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether projected climate changes have been assessed and taken into account in the second RBMP and PoM. |
| **Schema element**:climateChangeGuidance  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs= 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Indicate whether the CIS Guidance Document No. 24 ‘River basin in a changing climate’[[12]](#footnote-13) has been used for taking climate change into account in the second RBMP and PoM.  **Quality checks**: Conditional check: Report if climateChange is ‘Yes’. |
| **Schema element**:climateChangeAspectsConsidered  **Field type / facets:** ClimateChangeAspectsConsidered\_Enum:  Assessing direct and indirect climate pressures  Detecting climate change signals  Monitoring change at reference sites  Setting objectives  Forecasting the economics of water supply and demand  Checking the effectiveness of measures  Preferential selection of robust adaptation measures  Maximisation of cross-sectoral benefits and minimisation of negative effects across sectors  Flood risk management  Drought management and water scarcity  **Properties:** maxOccurs= unbounded minOccurs = 0  **Guidance on completion of schema element**: Conditional. Select the aspects relating to climate change from the enumeration list that have been undertaken or considered in the second RBMP and PoM.  **Quality checks**: Conditional check: Report if climateChange is ‘Yes’. |
| **Schema element**:floodsDirective  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. The Floods Directive requires that the development of the first Flood Risk Management Plans should be carried out in co-ordination with the review of the WFD RBMPs. Indicate whether the objectives and requirements of the Floods Directive have been considered in the second RBMP and PoM. |
| **Schema element**:winWinNWRMDroughtsFloods  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether specific win-win measures in terms of achieving the objectives of the WFD and Floods Directive, drought management and use of Natural Water Retention Measures (NWRM) have been included in the PoM. |
| **Schema element**:structuralMeasures  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether the design of new and existing structural measures, such as flood defences, storage dams and tidal barriers, have been adapted to take into account WFD Environmental Objectives. |
| **Schema element**:msfdCoOrdination  **Field type / facets:** YesNoLandlockedType\_Union\_Enum: Yes, No, Landlocked country  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**:Required. Indicate whether the preparations of the RBMP and PoM have been co-ordinated with the implementation of the Marine Strategy Framework Directive. |
| **Schema element**:msfdAssessment  **Field type / facets:** YesNoLandlockedType\_Union\_Enum: Yes, No, Landlocked country  **Properties:** maxOccurs= 1 minOccurs = 1  **Guidance on completion of schema element**:Required. Indicate whether the need for additional measures or more stringent measures beyond those required by the WFD in order to contribute to the achievement of the relevant MSFD objectives in coastal and marine environments have been considered in the PoM. |
| **Schema element**:msfdMeasuresNeeded  **Field type / facets:** MSFDMeasuresNeeded\_Enum:  Nutrients  Chemicals  Litter  Others  None  **Properties:** maxOccurs= unbounded minOccurs = 0  **Guidance on completion of schema element**:Conditional. If the need for additional measures or more stringent measures beyond those required by the WFD in order to achieve the relevant MSFD objectives in coastal and marine environments have been considered in the PoM, select the additional measures needed to meet the MSFD objectives from the enumeration list. ‘None’ should be selected if the need for additional measures was considered but the conclusion was that no additional measures are needed.  **Quality checks**: Conditional check: Report if msfdAssessment is ‘Yes’. |
| **Schema element**:otherAspectsReference  **Field type / facets:** ReferenceType (see Annex 9)  **Properties:** maxOccurs= unbounded minOccurs = 0  **Guidance:** Conditional. Provide references or hyperlinks to the documents and sections where specific information can be found on the other aspects above where targeted questions are asked. Guidance on what should be included in this document is provided in Section 10.2.3.  **Quality checks**: Conditional check: Report if any of the following elements take the indicated values: waterReUse is 'Yes', waterReUseMeasure is 'Yes', ecologicalFlow is 'Yes…' or 'Partly…', climateChange is 'Yes', floodsDirective is 'Yes', winWinNWRMDroughtsFloods is 'Yes', structuralMeasures is 'Yes', msfdCoOrdination is 'Yes', msfdAssessment is 'Yes' |

### GIS information

None.

### Guidance on the contents of RBMPs/background documents

**Basic measures**

The following provides guidance on the aspects that the European Commission expects to find in the relevant chapters on basic measures in the RBMPs or in background documents. This guidance is not intended to be comprehensive in terms of what the Member States have to include in their RBMPs or background documents, rather to provide certain concrete elements of information that the European Commission expects to find.

The information required for basic measures is the same as included in section 10.1.9 for individual measures. This section, however, includes further specification of information that is required for the indicated types of basic measures. This information may be included in the RBMPs or in background documents made available to the European Commission.

It is recommended that Member States develop templates to include, for each measure, all relevant information (see section 10.1.9). In order to simplify presentation, several measures contributing to the same purpose under Articles 11(3)(b-l) may be included in the same template.

In describing the measures it is important to make clear the elements which are already implemented and the plans for the second cycle. Member States are requested to ensure that the description of the basic measures includes the following information (non-exhaustive):

* For measures under Article 11(3)d for the protection of water abstractions used for the protection of drinking water, include in the description of the measure, if relevant:
  + General size of the safeguard zones or criteria for their establishment.
  + Types of bans or restrictions that are in force in safeguard zones (e.g. application of pesticides, fertilisers/manure, building, and industrial activities).
  + Types of measures which are mandatory in safeguard zones (e.g. buffer strips, planting of trees).
* For measures under Article 11(3)e for the control of abstractions of freshwater, include in the description of the measures, if relevant:
  + Existence of a register for all surface and groundwater abstractions.
  + Existence of a register for all impoundments.
  + Description of the concessions, authorisations or permit regime for abstractions, including thresholds below which abstraction concessions, authorisations or permits and/or registration are not needed.
  + Obligations for users of different types to use metering devices.
  + Existence of a register of water consumption by user for all sectors.
  + Existence of an obligation to review abstractions within a fixed period (e.g. every 5, 10 or more years) or only if required.
  + Describe whether the authorities are bound by the WFD Environmental Objectives in the concessions, authorisations or permitting process, i.e. if the authorities must or can refuse a permit if it compromises the achievement of the WFD Environmental Objectives in the affected water bodies.
* For measures under Article 11(3)g for the control of point source discharges liable to cause pollution, include in the description of the measures, if relevant:
  + The authorisation or permit regime for the control of urban and industrial waste water discharges including if there are thresholds below which an authorisation is not needed, if there are general binding rules, etc.
  + Whether the scope of the authorisation or permit regime or the general binding rules includes run-off from urban areas, industrial installations and farm holdings.
  + Existence of an obligation to review discharge permits within a fixed period (e.g. every 5, 10 or more years) or only if required.
  + Describe whether the authorities are bound by the WFD Environmental Objectives in the authorisation or permitting process, i.e. if the authorities must or can refuse a permit if it compromises the achievement of the WFD Environmental Objectives in the affected water bodies.
* For measures under Article 11(3)h for the control of diffuse sources liable to cause pollution, include in the description of the measures, if relevant:
  + Controls or binding requirements at farm level to address diffuse sources of nutrients (Nitrates and/or Phosphates) outside of Nitrate Vulnerable Zones.
  + Controls or binding requirements at farm level to address diffuse sources of pesticides.
  + Controls or binding requirements at farm level to address soil erosion and pollution of water bodies with sediment.
  + Controls or binding requirements at farm level to address diffuse sources of organic pollution and microbial contamination.
* For measures under Article 11(3)i for the control of hydromorphological modifications, include in the description of the measures, if relevant:
  + Description of the authorisation regime and/or general binding rules for physical modifications of water bodies including the type of modifications that are subject to control.
  + Whether physical modifications of the riparian area are subject to control.
  + Thresholds below which physical modifications are exempted from authorisation, if any.

**Other aspects**

Information about the following issues is expected to be found in the relevant sections of the RBMP or background documents.

* How have projected climate changes been assessed and taken into account in the second RBMP and PoM?
* What aspects and impacts of climate change have been considered when developing the second RBMP and PoMs?
* The Floods Directive requires that the development of the first Flood Risk Management Plans should be carried out in co-ordination with the reviews of the WFD RBMPs. How have the objectives and requirements of the Floods Directive been considered in the second RBMP and PoM?
* How has the PoM for the second cycle contributed to mitigating the effects of floods and droughts?
* What specific win-win measures in terms of achieving the objectives of the WFD and Floods Directive have been included in the PoM?
* What natural water retention and green infrastructure measures have been included in the PoM?
* How has the design of new and existing structural measures, such as flood defences, storage dams and tidal barriers, been adapted to take into account WFD Environmental Objectives?
* Has the use of sustainable drainage systems, such as the construction of wetland and porous pavements, been considered to reduce urban flooding and also to contribute to the achievement of WFD Environmental Objectives?
* Provide details of the application of Article 4(7) of the WFD for new flood defence projects and infrastructure.
* Provide details on the co-ordination of the public participation and stakeholder consultation during the development of RBMPs and Flood Risk Management Plans.
* The need for and, if required, the development of a specific drought management (sub)plan should be included in the RBMP.
* How measures designed to improve the efficiency of water use have been planned, particularly in relation to their use and prioritisation against alternative infrastructure measures to increase supply.
* How the re-use of water (e.g. from waste water treatment or industrial installations) has been included in the RBMP as a measure in terms of managing water resources, particularly in terms of its magnitude and its expected effects on water abstractions and the need for demand management or infrastructure supply measures.
* How has the second RBMP taken into account the relevant measures being planned for the first PoM for the Marine Strategy Framework Directive (2008/56/EC)[[13]](#footnote-14).

## Estimates of cost of measures

### Introduction

Article 19 of the WFD requires the European Commission to review the Directive and to propose any necessary amendments. As a part of this review, the European Commission needs to be able to assess the costs and benefits of the implementation of the Directive.

### How will the European Commission and the EEA use the information reported?

The European Commission will use the information reported to ensure that Member States are implementing the WFD appropriately and consistently; to identify any financial barriers that may be obstructing implementation; to identify the costs of implementation for RBDs, Member States and the total costs of implementation, and to carry out a full cost-effectiveness analysis of the WFD.

Statistics and information will be provided to the European Parliament at EU level. Information will be provided to the public through WISE.

#### Products from reporting

| **Nb** | **Name of product** | **Type of product** | **Scale of information\*** | **Detailed information displayed** | **Source of detailed information and aggregation rule** | **Used in 2012 reports?\*** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | **Costs of measures** | Chart, table or map | EU/MS/RBD | Total costs of the PoM or disaggregated by basic and supplementary measures. | Information reported at RBD level | No |

### Contents of the 2016 reporting

#### Schema sketch

See Annex 10.7.

#### Information and data to be reported using the schema

|  |
| --- |
| **Schema: RBMPPoM (continued)** |
| ***Class: Costs***  ***Properties:*** *maxOccurs = 1 minOccurs = 1* |
| **Schema element**:costOfMeasuresScale20092015  **Field type / facets:** MSorRBD\_Enum:  Member State  RBD  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether the costs reported refer to this specific RBD or for the Member State as a whole. |
| **Schema element**:costOfMeasuresPeriod20092015  **Field type / facets:** YearRangeType  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Report the time period (e.g. 2009--2015, 2009--2014, etc) to which the reported costs refer.  **Quality checks**: Element check: Period must be reported in the format YYYY--YYYY. |
| **Schema element**: article113aInvestment20092015  **Field type / facets:** NumberDecimalType  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Report the total investment expenditure (in millions of Euros) of measures under Article 11.3.a that were effectively implemented during the first planning cycle.  Expenditure should not be annualised.  The total investment expenditure should include, for example, expenditure on construction of waste water treatment plants.  If disaggregated data is not available, then report ‘0’ in this element and report the aggregated data in article113al114115Investment20092015. |
| **Schema element**:article113bl114115Investment20092015  **Field type / facets:** NumberDecimalType  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Report the total investment expenditure (in millions of Euros) of measures under Articles 11.3.b-l and Articles 11.4 and 11.5 that were effectively implemented during the first planning cycle.  Expenditure should not be annualised.  Total investment expenditure should include, for example, expenditure on infrastructure to control over-abstraction.  If disaggregated data is not available, then report ‘0’ in this element and report the aggregated data in article113al114115Investment20092015. |
| **Schema element**:article113al114115Investment20092015  **Field type / facets:** NumberDecimalType  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Report the total investment expenditure (in millions of Euros) of measures under Articles 11.3.a, 11.3.b-l, 11.4 and 11.5 that were effectively implemented during the first planning cycle if only aggregated data is available.  Expenditure should not be annualised.  Total investment expenditure should include, for example expenditure on construction of waste water treatment plants.  **Quality checks**: Conditional check: Report if article113aInvestment20092015 and article113bl114115Investment20092015 are both ‘0’. |
| **Schema element**:costExplanation20092015Reference  **Field type / facets:** ReferenceType (see Annex 9)  **Properties:** maxOccurs = unbounded minOccurs = 1  **Guidance on completion of schema element**: Required. Provide a reference or hyperlink to the relevant document and section where specific information can be found on how the costs reported for the first planning cycle have been calculated. This information must be uploaded to WISE or made available on the web.  Guidance on the naming of files and documents to be uploaded to WISE is included in the user manual for reporting to WISE (see Annex 6).  If a hyperlink to information stored on a Member State’s server is reported, the Member State must guarantee that the hyperlink will remain stable and active for a period of 6 years after reporting, and that the information referred to will not be revised or updated. |
| **Schema element**:costOfMeasuresScale20152021  **Field type / facets:** MSorRBD\_Enum:  Member State  RBD  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether the costs reported refer to this specific RBD or for the Member State as a whole.  **Quality checks**: |
| **Schema element**: costOfMeasurePeriod20152021  **Field type / facets:** YearRangeType  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. If the reported costs are not for the whole of the second planning cycle, report the reference year (in the format YYYY) or period (in the format YYYY--YYYY) used as the basis of the calculation of costs.  **Quality checks**: Element check: Reference year must be reported in the format YYYY. Reference period must be reported in the format YYYY--YYYY. |
| **Schema element**:article113aInvestment20152021  **Field type / facets:** NumberDecimalType  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Report the total investment expenditure (in millions of Euros) of planned measures under Article 11.3.a during the second planning cycle.  Expenditure should not be annualised.  Total investment expenditure should include, for example, expenditure on construction of waste water treatment plants. |
| **Schema element**: article113aAnnual20152021  **Field type / facets:** NumberDecimalType  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Report the total annual operational and maintenance costs, and any other costs, (in millions of Euros) of planned measures under Article 11.3.a during the second planning cycle.  Total annual costs should exclude all annual costs of waste water treatment plant functioning.  Total annual costs should exclude depreciation. Indicate this in article113aDepreciation20152021. |
| **Schema element**:article113aDepreciation20152021  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether depreciation has been included in the total annual costs reported in article113aAnnual20152021. The default selection should be ‘No’ (i.e. it has been excluded). |
| **Schema element**:article113bl114115Investment20152021  **Field type / facets:** NumberDecimalType  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Report the total investment expenditure (in millions of Euros) of planned measures under Articles 11.3.b-l and Articles 11.4 and 11.5 during the second planning cycle.  Expenditure should not be annualised.  Total investment expenditure should include, for example, expenditure on infrastructure to control over-abstraction. |
| **Schema element**:article113bl114115Annual20152021  **Field type / facets:** NumberDecimalType  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Report the total annual operational and maintenance costs, and any other costs, (in millions of Euros) of planned measures under Articles 11.3.b-l, and 11.4 and 11.5 during the second planning cycle.  Total annual costs should exclude all annual costs related to controls on over-abstraction.  Total annual costs should exclude depreciation. Indicate this in article113bl114115Depreciation20152021. |
| **Schema element**:article113bl114115Depreciation20152021  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether depreciation is included in the total annual costs reported in article113bl114115Annual20152021. The default selection should be ‘No’ (i.e. it has been excluded). |
| **Schema element**:costExplanation20152021Reference  **Field type / facets:** ReferenceType (see Annex 9)  **Properties:** maxOccurs = unbounded minOccurs = 1  **Guidance on completion of schema element**: Required. Provide references or hyperlinks to the relevant documents and sections where specific information can be found on how the costs reported for the second planning cycle have been calculated. . Guidance on what should be included in this document is provided in Section 10.3.3.3. |

**Financing of measures**

Member States' PoMs contain different instruments (legal, administrative, technical, infrastructure, training, etc), and are potentially funded in different ways. In terms of financing PoMs, public budget is expected to cover part of the cost of the measures but also private operators are expected to provide funds (e.g. through the cost recovery provisions). European funds, such as Structural, Cohesion or CAP funds, can also contribute to financing some measures.

|  |
| --- |
| **Schema: RBMPPoM (continued)** |
| ***Class: Costs***  ***Properties:*** *maxOccurs = 1 minOccurs = 1* |
| **Schema element**: euFunds20092015  **Field type / facets:** String25Type  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Report the total investment expenditure for the Programme of Measures for the first planning cycle, which were financed by EU funds as an estimated cost or range. |
| **Schema element**:euFunds20152021  **Field type / facets:** String25Type  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Report the estimated total investment expenditure for the Programme of Measures for the second planning cycle that are expected to be financed by EU funds, as an estimated cost or range. |

#### Guidance on contents of RBMPs/Background documents

The following provides guidance on the aspects that the European Commission expects to find in the relevant chapters on costs of meaasures in the RBMPs or in background documents. This guidance is not intended to be comprehensive in terms of what the Member States have to include in their RBMPs or background documents, rather to provide certain concrete elements of information that the European Commission expects to find.

The RBMP and background documents must explain how the costs of measures have been calculated. This should include:

* Calculation methods for assessing costs.
* Costs included or excluded.
* Whether the costs calculated include only public budget or whether costs for private operators are also included.
* Supporting explanation on factors affecting the costs of measures.
* If available, a reference or document presenting the estimate of the share of costs of the PoM 2015-2021 that result from measures from the 2009-2015 PoM that could not be implemented and that have been transferred to the 2015-2021 PoM, along with explanations on factors explaining this situation in overall terms and also for specific sectors (see WFD Annex VII.B.3).
* If available, include projections on investment expenditure for the third planning cycle 2021-2027.

## Co-ordination of measures in international RBDs

### Introduction

The WFD requires co-ordination of the Programmes of Measures in transboundary River Basin Districts.

### How will the European Commission and the EEA use the information reported?

The European Commission will assess whether the PoMs have been sufficiently co-ordinated in transboundary RBDs. Statistics and information will be provided to the European Parliament at EU level. Information will be provided to the public through WISE.

#### Products from reporting

| **Nb** | **Name of product** | **Type of product** | **Scale of information\*** | **Detailed information displayed** | **Source of detailed information and aggregation rule** | **Used in 2012 reports?\*** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Degree of co-ordination of PoMs in IRBDs | Chart Table or Map | EU/MS/RBD/IRBD |  | Information reported at RBD/IRBD level. | Yes |
| 2 | Number of co-ordinated measures to tackle river continuity, nutrient reduction and chemical pollution in each IRBP | Chart or Table | EU/MS/RBD/IRBD |  | Information reported at RBD/IRBD level. | No |
| 3 | Number of specific key activities co-ordinated, partially co-ordinated, not co-ordinated or not specified in each IRBP | Chart or Table | Chart or Table |  | Information reported at RBD/IRBD level. | No |

### Contents of 2016 reporting

#### Schema sketch

See Annex 10.7.

#### Information and data to be reported using the schemas

|  |
| --- |
| **Schema: RBMPPoM (continued)** |
| ***Class: CoOrd***  ***Properties:*** *maxOccurs = 1 minOccurs = 1* |
| **Schema element**:pomInternationalRBD  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether the RBD is part of an international RBD. |
| **Schema element**:pomCoOrdinationJointVision  **Field type / facets:** Coord\_Enum: Yes with other MS, Yes with non-MS, Yes with both other MS and non-MS, None  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Have joint visions and management objectives been established for the coordination of the Programme of Measures?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:pomCoOrdinationArt5SWMI  **Field type / facets:** Coord\_Enum: Yes with other MS, Yes with non-MS, Yes with both other MS and non-MS, None  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Has the Article 5 analysis and identification of Significant Water Management Issues been co-ordinated in the development of the Programme of Measures?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:pomCoOrdinationIRBMPPoM  **Field type / facets:** Coord\_Enum: Yes with other MS, Yes with non-MS, Yes with both other MS and non-MS, None  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Have international RBMP and PoM been produced for the second cycle incorporating all Member States?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:pomCoOrdinationRoofReport  **Field type / facets:** Coord\_Enum: Yes with other MS, Yes with non-MS, Yes with both other MS and non-MS, None  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Has an international Roof Report (or A-plan) covering all Member States, based on the national River Basin Management Plans (or B-plans) been prepared?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:pomCoOrdinationLinks  **Field type / facets:** Coord\_Enum: Yes with other MS, Yes with non-MS, Yes with both other MS and non-MS, None  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Haveexplicit links been made with national RBMPs within the international RBMP?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:pomCoOrdinationSectors  **Field type / facets:** Coord\_Enum: Yes with other MS, Yes with non-MS, Yes with both other MS and non-MS, None  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Has there been sectoral and stakeholder involvement within the international co-ordination mechanisms?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:pomCoOrdinationTransparency  **Field type / facets:** Coord\_Enum: Yes with other MS, Yes with non-MS, Yes with both other MS and non-MS, None  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Has there been transparency of international co-ordination to stakeholders and others?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:pomCoOrdinationFinancial  **Field type / facets:** Coord\_Enum: Yes with other MS, Yes with non-MS, Yes with both other MS and non-MS, None  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Have financial resources for joint co-operation been made available?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:iRBMPIssuesNutrient  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Does the international RBMP address nutrient pollution?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:iRBMPIssuesSediment  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Does the international RBMP address sediment management?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:iRBMPIssuesChemical  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Does the international RBMP address chemical pollution?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:iRBMPIssuesRiverContinuity  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Does the international RBMP address river continuity?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:iRBMPIssuesOtherHydromorphological  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Does the international RBMP address other hydromorphological measures?  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:iRBMPIssuesOther  **Field type / facets:** String100Type  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element**: Conditional. Report if there are other issues addressed by the international RBMP which are not covered in the previous questions. If no other issue report ‘None’.  **Quality checks**: Conditional check: Report if pomInternationalRBD is ‘Yes’. |
| **Schema element**:iRBMPReference  **Field type / facets:** ReferenceType (see Annex 9)  **Properties:** maxOccurs = unbounded minOccurs = 0  **Guidance on completion of schema element**: Conditional. Provide a reference or hyperlink to the international RBMP.  **Quality checks**:Conditional check:Report if pomInternationalRBD is ‘Yes’. |

## Progress with and achievements of the programme of measures for the first planning cycle

### Introduction

In 2012, Member States provided information on the progress in implementing the WFD PoMs, including the state of implementation of basic, supplementary and Key Types of Measure. Information was also provided on the overall progress that had been made and any obstacles affecting the implementation of measures.

In 2016, the data and information provided will be on the measures planned for the second cycle of WFD implementation and, as such, may not provide explicit information on the actual progress, success and achievements of the first PoMs. It is intended that Member States provide an update of progress to reflect the actual and expected situation at the start of the second planning cycle.

### How will the European Commission and the EEA use the information reported?

The European Commission will use the information reported by Member States to assess the effectiveness of the implementation of the first RBMPs and PoMs in order to assess and report on the overall impact that the WFD is having towards the improvement of water quality at EU level.

Statistics and information will be provided to the European Parliament at EU level. Information will be provided to the public through WISE.

### Contents of 2016 reporting

#### Schema sketch

See Annex 10.7.

#### Information and data to be reported using the schemas

For each RBD, report the following information.

|  |
| --- |
| **Schema: RBMPPoM (continued)** |
| ***Class: Progress***  ***Properties:*** *maxOccurs =1 minOccurs = 1* |
| **Schema element:** rbmpGeneralProgress  **Field type / facets:** String4000Type  **Properties:** maxOccurs = 1 minOccurs = 0  **Guidance on completion of schema element:** Optional. Report a brief description of the progress achieved since the first RBMP, in particular on the reduction of pressures achieved and measures taken. |
| **Schema element**:financeSecured  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether a clear financial commitment (e.g. approved budget or financial mechanism by the Parliament, Ministry of Finance or other financial responsible authority) was secured for the implementation of the PoMs. |
| **Schema element**:financeSecuredAgriculture  **Field type / facets:**  YesNoNotApplicable\_Union\_Enum: Yes, No, Not applicable  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has a clear financial commitment been secured for the implementation of the PoMs in the following sector: agriculture? If the measures for this sector are not relevant in the RBD report ‘Not applicable’. |
| **Schema element**:financeSecuredIndustry  **Field type / facets:** YesNoNotApplicable\_Union\_Enum: Yes, No, Not applicable  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has a clear financial commitment been secured for the implementation of the PoMs in the following sector: industry? If the measures for this sector are not relevant in the RBD report ‘Not applicable’. |
| **Schema element**:financeSecuredUrban  **Field type / facets:** YesNoNotApplicable\_Union\_Enum: Yes, No, Not applicable  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has a clear financial commitment been secured for the implementation of the PoMs in the following sector: urban development? If the measures for this sector are not relevant in the RBD report ‘Not applicable’. |
| **Schema element**:financeSecuredTransport  **Field type / facets:** YesNoNotApplicable\_Union\_Enum: Yes, No, Not applicable  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has a clear financial commitment been secured for the implementation of the PoMs in the following sector: transport? If the measures for this sector are not relevant in the RBD report ‘Not applicable’. |
| **Schema element**:financeSecuredHydropower  **Field type / facets:** YesNoNotApplicable\_Union\_Enum: Yes, No, Not applicable  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has a clear financial commitment been secured for the implementation of the PoMs in the following sector: hydropower? If the measures for this sector are not relevant in the RBD report ‘Not applicable’. |
| **Schema element**:financeSecuredEnergy  **Field type / facets:** YesNoNotApplicable\_Union\_Enum: Yes, No, Not applicable  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has a clear financial commitment been secured for the implementation of the PoMs in the following sector: energy (non-hydropower)? If the measures for this sector are not relevant in the RBD report ‘Not applicable’. |
| **Schema element**:financeSecuredAquaculture  **Field type / facets:** YesNoNotApplicable\_Union\_Enum: Yes, No, Not applicable  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has a clear financial commitment been secured for the implementation of the PoMs in the aquaculture sector? If the measures for this sector are not relevant in the RBD report ‘Not applicable’. |
| **Schema element**:financeSecuredRecreation  **Field type / facets:** YesNoNotApplicable\_Union\_Enum: Yes, No, Not applicable  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has a clear financial commitment been secured for the implementation of the PoMs in the recreation sector? If the measures for this sector are not relevant in the RBD report ‘Not applicable’. |
| **Schema element**:financeSecuredFloodProtection  **Field type / facets:** YesNoNotApplicable\_Union\_Enum: Yes, No, Not applicable  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has a clear financial commitment been secured for the implementation of the PoMs in the flood protection sector? If the measures for this sector are not relevant in the RBD report ‘Not applicable’. |
| **Schema element**:newRegulation  **Field type / facets:** NewRegulation\_Enum:  Yes, already adopted  Yes, in progress  Yes, but not started  No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Indicate whether new legislation or regulations were required to implement the PoMs in the first cycle. |
| **Schema element**:statusImplementationPoM  **Field type / facets:** StatusImplementationPoM\_Enum:  All planned measures started  Some planned measures started  Some measures completed  All measures completed  No measures started  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Select the description from the enumeration list which best describes the level of implementation of the first cycle of PoMs in the RBD. |
| **Schema element**:improvementInStatusGeneral  **Field type / facets:** ImprovementInStatusGeneral\_Enum:  As described in the RBMP  Less than described in the RBMP  Greater than expected in the RBMP  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Select the expected or actual improvement in general in the overall status of water bodies at the end of the first planning cycle from the enumeration list. |
| **Schema element**:improvementsInStatusEcologicalSWB  **Field type / facets:** ImprovementInStatusGeneral\_Enum:  As described in the RBMP  Less than described in the RBMP  Greater than expected in the RBMP  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Select the expected or actual improvement in the ecological status or potential of surface water bodies at the end of the first planning cycle from the enumeration list. |
| **Schema element:** improvementsInStatusChemicalSWB  **Field type / facets:** ImprovementInStatusGeneral\_Enum:  As described in the RBMP  Less than described in the RBMP  Greater than expected in the RBMP  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Select the expected or actual improvement in the chemical status of surface water bodies at the end of the first planning cycle from the enumeration list. |
| **Schema element**:improvementsInStatusQuantitativeGWB  **Field type / facets:** ImprovementInStatusGeneral\_Enum:  As described in the RBMP  Less than described in the RBMP  Greater than expected in the RBMP  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Select the expected or actual improvement in the quantitative status of groundwater bodies at the end of the first planning cycle from the enumeration list. |
| **Schema element**:improvementsInStatusChemicalGWB  **Field type / facets:** ImprovementInStatusGeneral\_Enum:  As described in the RBMP  Less than described in the RBMP  Greater than expected in the RBMP  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Select the expected or actual improvement in the chemical status of groundwater bodies at the end of the first planning cycle from the enumeration list. |
| **Schema element**:obstaclesGovernance  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Have governance issues presented an obstacle to the implementation of the PoMs? |
| **Schema element**:obstaclesDelays  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Have unexpected planning delays presented an obstacle to the implementation of the PoMs? |
| **Schema element**:obstaclesLackOfFinance  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has a lack of finance presented an obstacle to the implementation of the PoMs? |
| **Schema element**:obstaclesLackOfMechanism  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has the lack of a mechanism for implementing measures (e.g. national regulations not yet adopted) presented an obstacle to the implementation of the PoMs? |
| **Schema element**:obstaclesLackOfMeasures  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Has a lack of effective measures presented an obstacle to the implementation of the PoMs? |
| **Schema element**:obstaclesNotCostEffective  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Have some planned measures no longer being considered to be cost effective presented an obstacle to the implementation of the PoMs? |
| **Schema element**:obstaclesExtremeEvents  **Field type / facets:** YesNoCode\_Enum: Yes, No  **Properties:** maxOccurs = 1 minOccurs = 1  **Guidance on completion of schema element**: Required. Have any unexpected extreme events presented an obstacle to the implementation of the PoMs? |
| **Schema element**:obstaclesOther  **Field type / facets:** String100Type  **Properties:** maxOccurs =1 minOccurs = 0  **Guidance on completion of schema element:** Optional. Report if other obstacles were encountered in the implementation of the PoMs. More than one other obstacle may be reported in the same string. |
| **Schema element**: measuresFromFirstProgrammeReference  **Field type / facets:** ReferenceType (see Annex 9)  **Properties:** maxOccurs = unbounded minOccurs = 1  **Guidance on completion of schema element**:Required. Provide references or hyperlinks to documents and sections that contain more information on the progress and achievements of the programme of measures from the first planning cycle. Guidance on what should be included in this document is provided in Section 10.5.3.3. |

#### Guidance on the contents of RBMPs/background documents

The following provides guidance on the aspects that the European Commission expects to find in the relevant chapters on progress in the implementation of PoMs in the RBMPs or in background documents. This guidance is not intended to be comprehensive in terms of what the Member States have to include in their RBMPs or background documents, rather to provide certain concrete elements of information that the European Commission expects to find.

The actual and expected outcomes of the first RBMP and PoM should be provided, and how these outcomes have or might affect the planning for the second cycle (see WFD Annex VII Part B). This information may be provided in separate documents specifically produced by the Member State or might be included as a separate chapter or Annex of the second RBMP.

Specific information is required on:

* How a financial commitment has been secured for the planned PoMs, and whether there are shortcomings in terms of the funding of measures for particular sectors? What were the mains sources of funding for implemented measures?
* The success, or otherwise, in implementing any new legislation or regulations required for the implementation of the planned measures. What were the main sectors requiring new legislation or regulations and what was the state of implementation of any new required legislation or regulations at the end of the first planning cycle?
* The status of the planned measures expected at the end of the first planning cycle. If all measures had not been made operational within the planning period, what were the main sectors and measures affected?
* What has been the experience gained over the first planning cycle on the effectiveness of measures in improving the status of water bodies? Were measures effectively targeted at the significant pressures, and what were the differences in the effectiveness of measures between sectors and water categories?
* What were the obstacles encountered in the implementation of the PoM?
* What were the main achievements and failures of the first planning cycle in terms of, for example, achieving or exceeding the objectives of the first RBMP, and the improvements in status of water bodies?
* How have measures planned for 2009-2015 but which were not fully implemented or made operational been transferred to the 2015-2021 PoM, in relation to the key measures and/or sectors affected, and the main factors explaining this position.

1. Member State’s 2-alpha character ISO country code: <http://publications.europa.eu/code/en/en-370100.htm> (Note: for Greece use ‘EL’ and United Kingdom use ‘UK’) [↑](#footnote-ref-2)
2. http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:31991L0271&from=EN [↑](#footnote-ref-3)
3. http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:31991L0676&from=en [↑](#footnote-ref-4)
4. http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:31996L0061&qid=1440765977288&from=EN [↑](#footnote-ref-5)
5. http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32010L0075&qid=1440766031898&from=EN [↑](#footnote-ref-6)
6. http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:31992L0043&from=EN [↑](#footnote-ref-7)
7. http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32009L0147&from=EN [↑](#footnote-ref-8)
8. Meeting of the Strategic Co-ordination Group, 4 November 2013, Agenda point 4.a. Clarification on WFD programmes of measures (Article 11). [↑](#footnote-ref-9)
9. http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:31991L0676&from=en [↑](#footnote-ref-10)
10. http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:31991L0271&from=EN [↑](#footnote-ref-11)
11. http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32010L0075&qid=1440766031898&from=EN [↑](#footnote-ref-12)
12. https://circabc.europa.eu/sd/a/a88369ef-df4d-43b1-8c8c-306ac7c2d6e1/Guidance%20document%20n%2024%20-%20River%20Basin%20Management%20in%20a%20Changing%20Climate\_FINAL.pdf [↑](#footnote-ref-13)
13. http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32008L0056&qid=1440766714959&from=EN [↑](#footnote-ref-14)