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World Meteorological Organization
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WMO Assessment Guidelines for Improving NHS capabilities in Flood Forecasting and Warning

The Assessment Guidelines are developed to assist National Hydrological Services (NHSs) to evaluate their End-to-End Flood Forecasting and Early Warning System (E2E FFEWS) and to assist Members in improving their understanding and assessing their capabilities of such systems.

Objective of the Assessment Guidelines is to assess NHS capability to deliver accurate, timely, and spatially adequate flood forecasting information that is understood by the receivers and can be utilized for decision making at all levels.



Figure 1 Links in the End-to-End Flood Forecasting and Warning Chain

GOAL OF THE ASSESSMENT

Improving the End-to-End Flood Forecasting and Early Warning System.

ASSESSMENT STRATEGY

- Assess each element of the E2E FFEWS chain
- Apply assessment tools
- Analyse results
- Propose actions

ASSESSMENT GUIDELINES PROVIDE SOUND BASIS FOR DEVELOPING COUNTRY'S:

- National Assessment Report
- National Hydrological Services Development Plan

The Assessment Strategy consists of the following steps:

- Assess each link in the flood forecasting and warning chain
- Apply the assessment tools
- Reveal strengths and weaknesses of each link in the chain
- Propose actions to improve NHS's capabilities in operational flood forecasting and warning

Tools available for the Assessment include:

- Assessment Matrix - survey in spreadsheet format covering all links in the End-to-End Flood Forecasting and Warning chain
- SWOT tool - maps Strengths, Weaknesses, Opportunities and Threats





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Assessment Guidelines Tools and Benefits

ASSESSMENT TOOLS

Assessment Matrix

SWOT tool

TYPES OF ASSESSMENTS

What is available now:

There are two types of assessments:

1. External evaluation

Version (with help of experienced Commission experts covering each link of the chain

2. Self-assessment Version

will be available soon

FOR FURTHER

INFORMATION CONTACT

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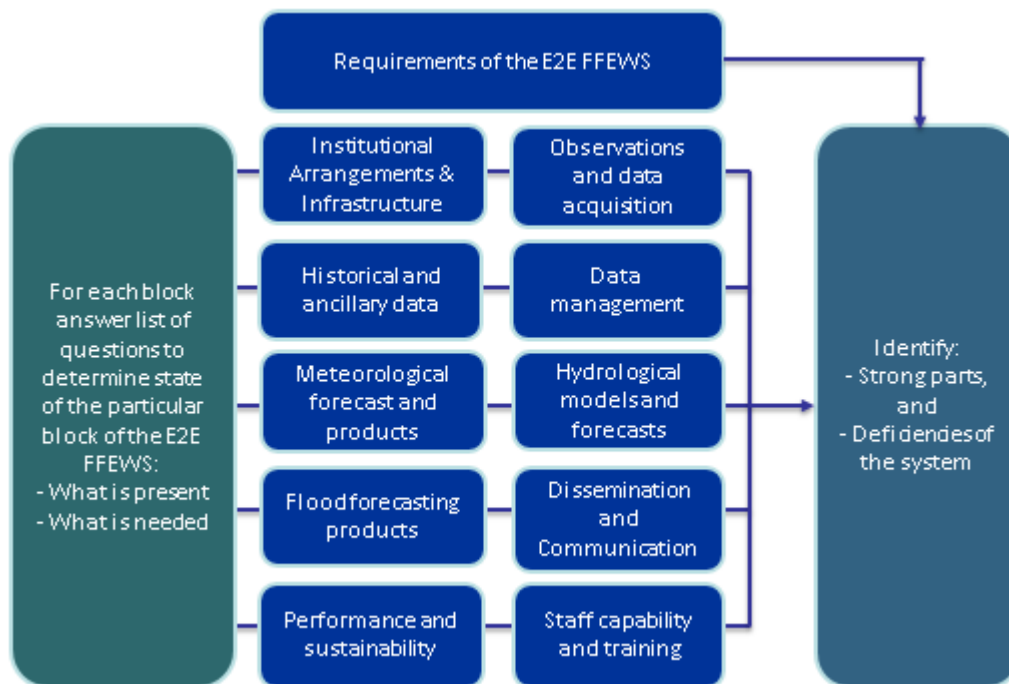


Figure 2 – Elements of the Assessment Matrix

Ways of improving the service are based on:

- Transforming results of assessment process into a National Service Development Plan
- Implementing improvements to activities in support of flood forecasting and dissemination of warnings

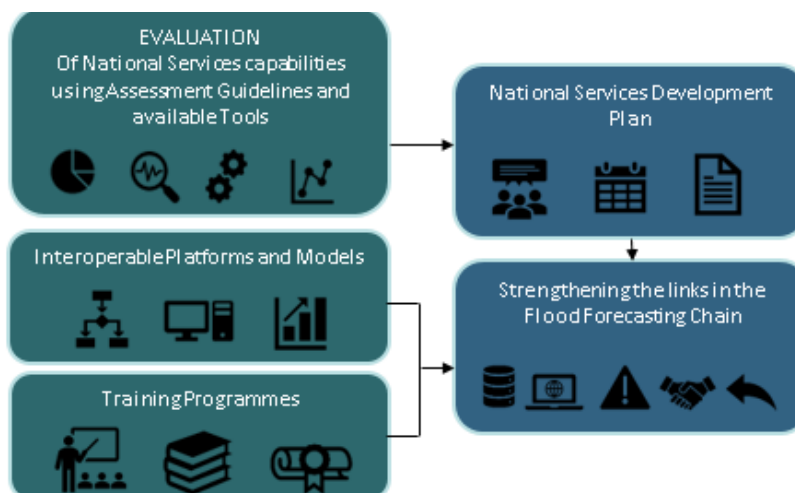


Figure 3 – From Evaluation to Improved Services



Developed by WMO Standing Committee on Hydrological Services