

**NATIONAL TECHNICAL ADVISORY GROUP ON FLOODING ISSUES  
MAPPING AND HYDROMETRIC ISSUES SUB-GROUP**

**A REVIEW OF HYDROMETRIC DATA COLLECTION FOR FLOOD  
ESTIMATION IN SCOTLAND**

**SCOPE**

**1. Purpose**

The purpose of this study is to review the utility of the Scottish hydrometric, rain gauge and tidal networks for flood estimation and to make recommendations that would lead to improved flood estimation in Scotland.

**2. Objectives**

The study will review and assess the following aspects of hydrometric, rainfall and tidal networks:

- i) The roles and responsibilities of relevant organizations with respect to the management of the networks (including Scot Exec, SEPA, Met Office and POL)  
*Q1: Do we wish to include a study of who does what and to identify any dependent monitoring activities and how they are coordinated?*
- ii) The geographical distribution of the networks  
*Are the networks sufficiently representative for the purpose of flood estimation?*
- iii) The length of records available  
*Is the length of record a limitation for flood estimation?*
- iv) The quality of the data  
*Is data quality adequate for flood estimation and what standards should it satisfy?*
- v) Data access  
*Q2: Do we want the study to consider whether access to data is adequate and to what international norms Scotland might aspire?*

**3. Method**

It is expected that the following methods would be adopted:

- i) Interviews with staff from relevant organizations
- ii) Interviews with “users” of data for flood estimation

- iii) Reference to any national method for flood estimation
- iv) Reference to international/national standards for data quality
- v) Reference to international/national norms for data accessibility
- vi) Reference to internal procedures for managing data
- vii) Reference to recent reports relevant to this study

Note: The study will define the standards for data quality using national and international standards. The quality of the data for flood estimation will be assessed against these standards through reference to internal procedures, recent reports on data quality and where necessary analysis of representative data samples.

#### **4. Presentation**

The findings should be made available to NTAG through a technical report (with an executive summary) together with any supporting material.

#### **5. Programme**

The first draft will be submitted to the Mapping and Hydrometric Issues Sub-Group of NTAG before XX (third meeting?).

The final reported will be submitted by YY .

**Tim Jolley, SEPA**  
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