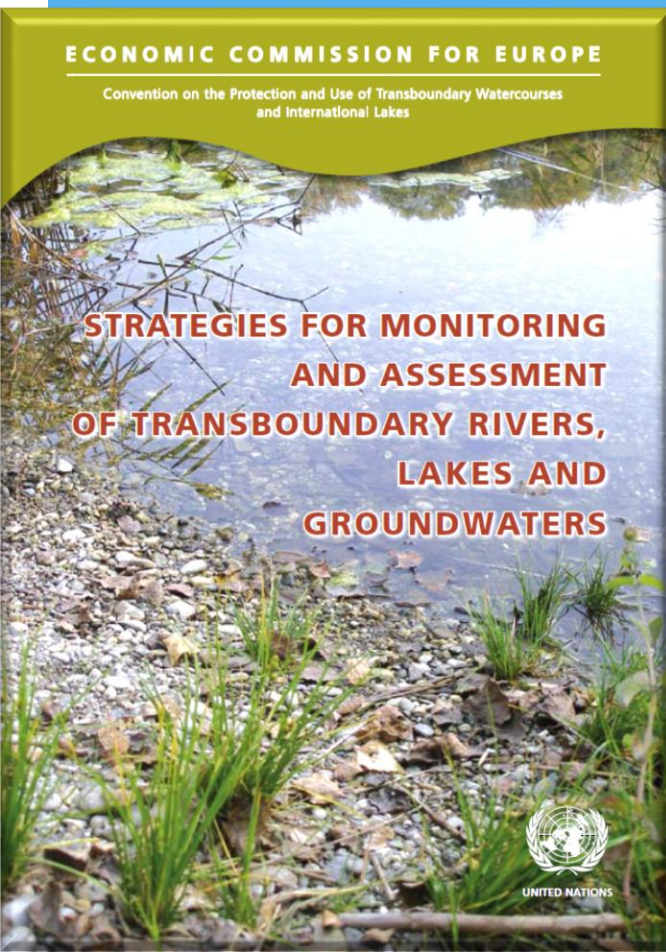


Strategies for transboundary monitoring and assessment

Jos Timmerman
(The Netherlands)

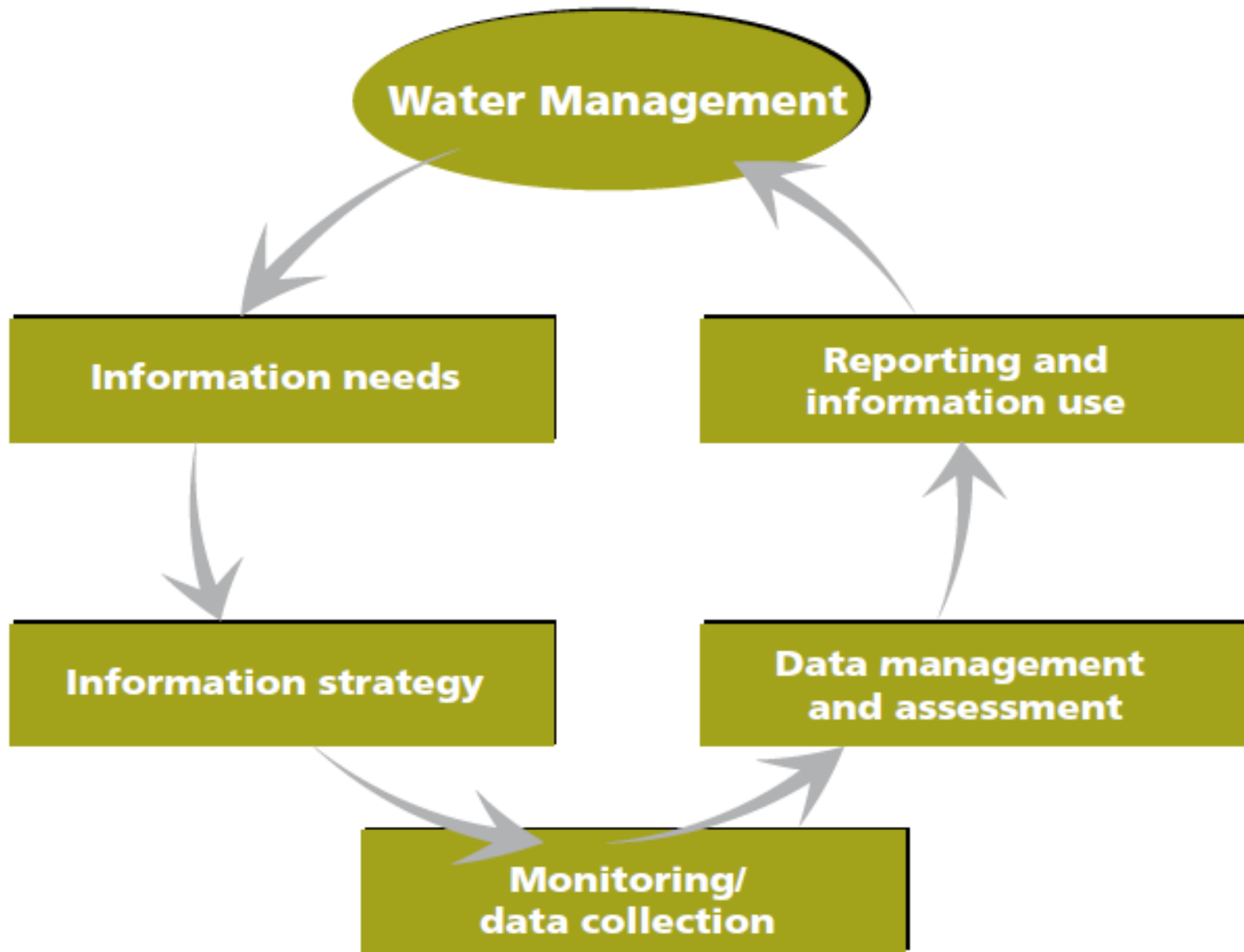


Various guidelines

- * *Strategies for Monitoring and Assessment of Transboundary Rivers, Lakes and Groundwaters (Oct. 2006) En, Ru*
- * *Guidelines on Monitoring and Assessment of Transboundary and International Lakes (Jan. 2002) En*
 - * *Part A: Strategy Document*
 - * *Part B: Technical Guidelines*
 - * *Background Paper*
- * *Guidelines on Monitoring and Assessment of Transboundary Rivers (March 2000) En, Fr, Ru*
- * *Guidelines on Monitoring and Assessment of Transboundary Groundwaters (March 2000) En, Ru, Sp*

Basic principles

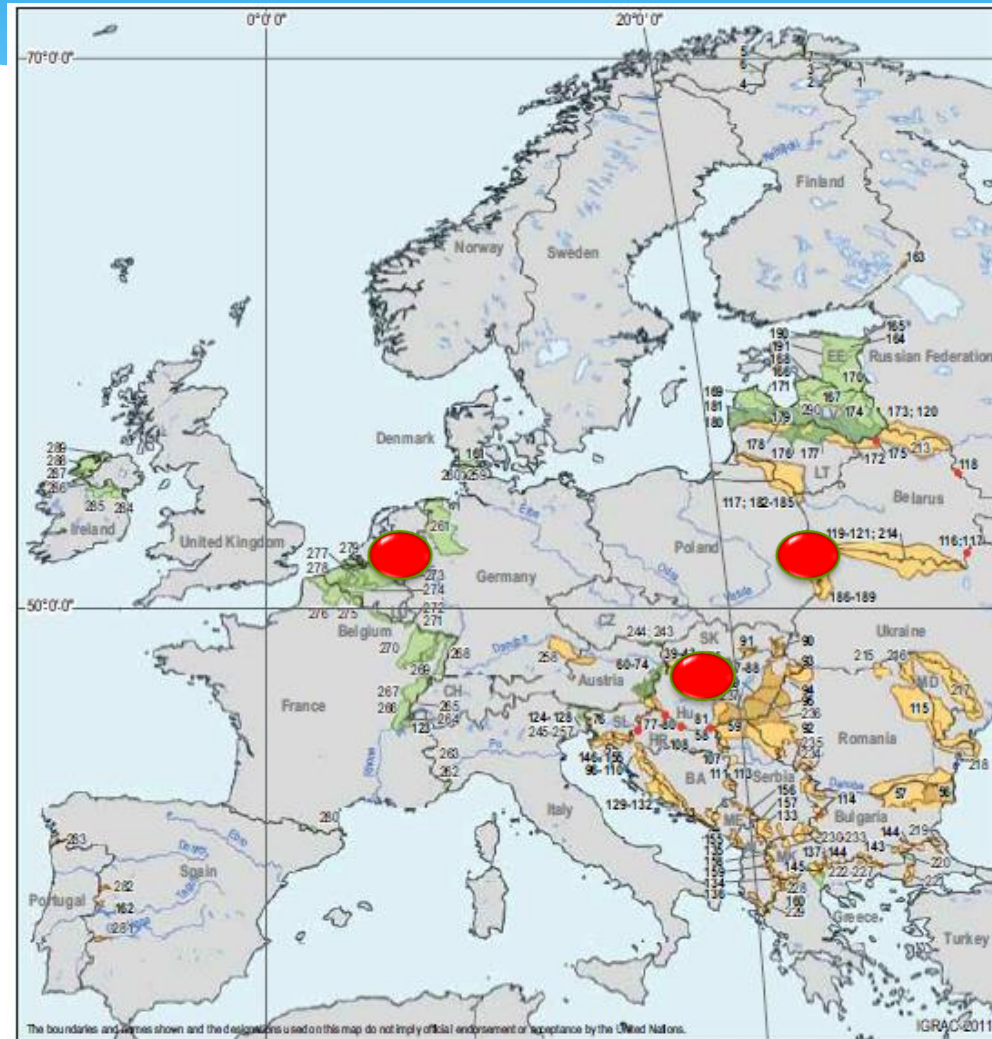
- * Basin approach
- * Integrated approach
 - * quality - quantity - surface water - groundwater
 - * water policy - environmental policy - environmental planning
 - * nature - agriculture - drinking water - rural area - industry – recreation
- * Tailor-made
- * Strategic, not technical



Pilot projects - Rivers

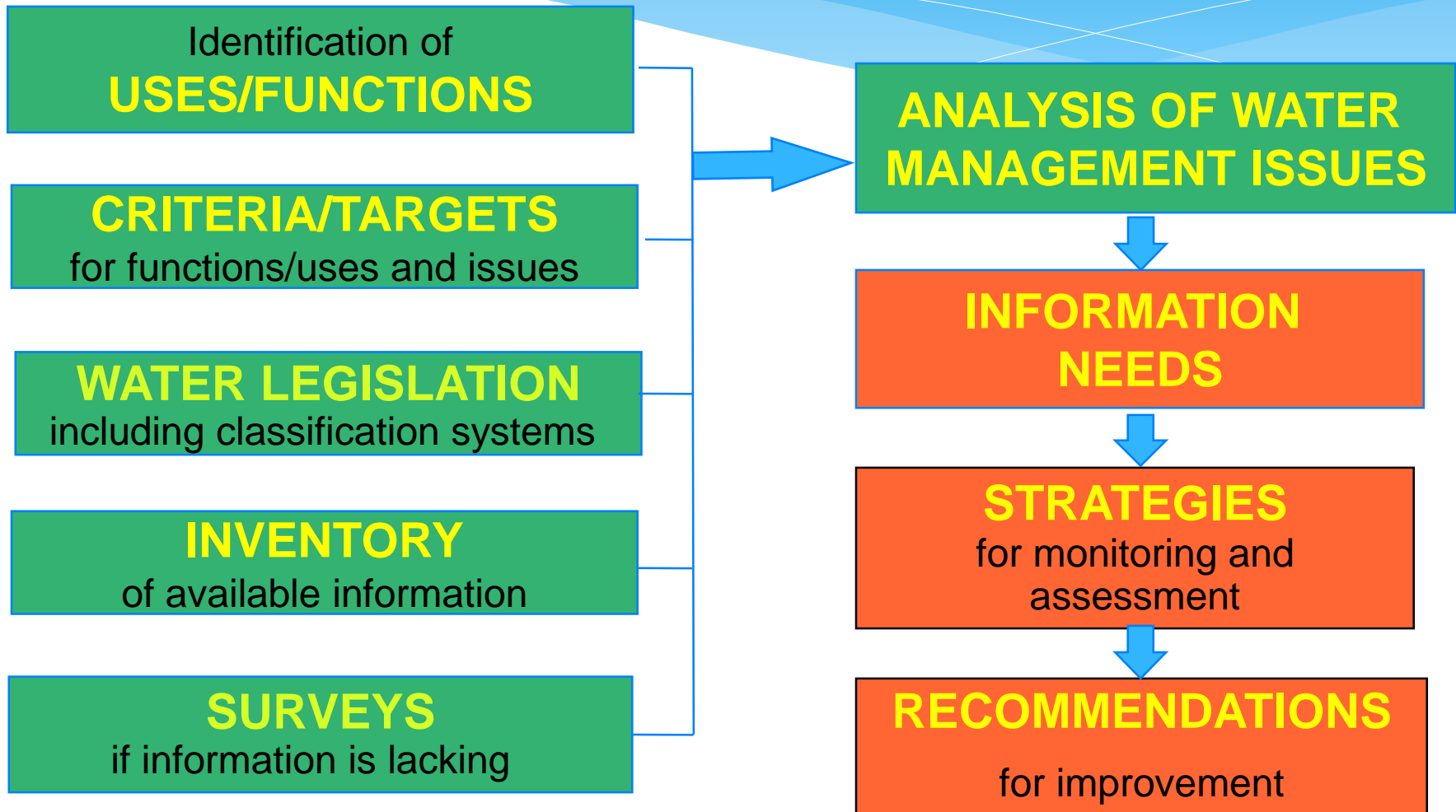


Pilot projects - Groundwaters



- WFD groundwater body (GWB)/set of GWBs
- GWB (partially) overlapping with aquifer
- Aquifer
- (Partially) overlapping aquifers
- Exact location/extent of aquifer uncertain

Steps in the river pilot projects



Application of the guidelines

- * 8 river pilot projects
- * 3 groundwater pilots + cooperation with Internationally Shared Aquifer Resources Management (ISARM) project
- * 2 lakes
- * Survey on the use of the guidelines

Impacts of the guidelines

- * Improved cooperation between countries
- * Helped the Central European countries in the pre-EU accession stage – WFD
- * Approach and principles are still valid – not only for Europe
- * New techniques – sensors, remote sensing, DNA-techniques, data analysis, GIS, etc.

The most important lesson –
let the river basin tell the story

(John Chilton)

