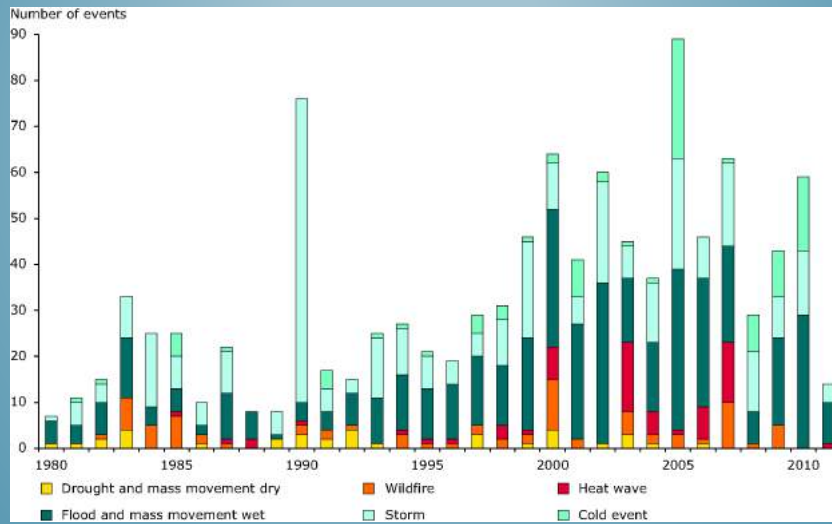
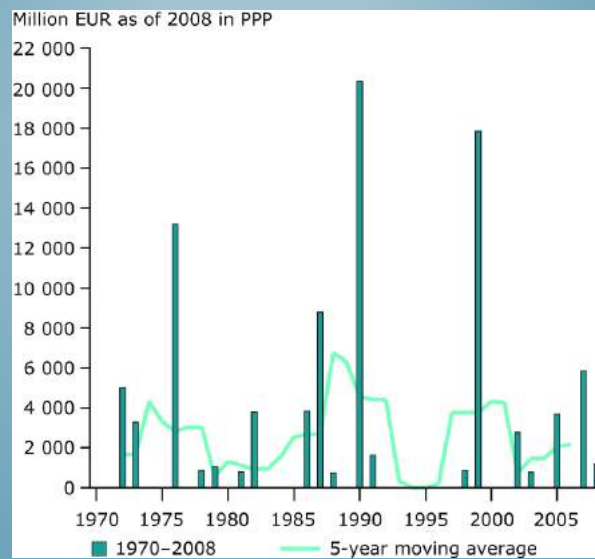


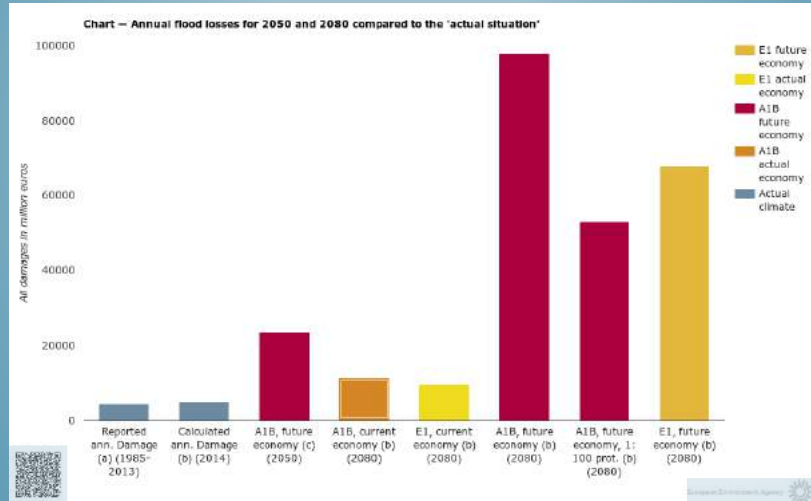
EUROPA



KOSTEN DOOR STORMEN



KOSTEN DOOR OVERSTROMINGEN



CONSEQUENTIES VAN EXTREME GEBEURTENISSEN IN AQUATISCHE SYSTEMEN

Floods → High loads of DOM



→ Disinfection by-products

Heatwaves → Blooms



→ Toxic cyanobacteria

GEBRUIK VAN HFM OM GEBEURTENISSEN TE VOLGEN

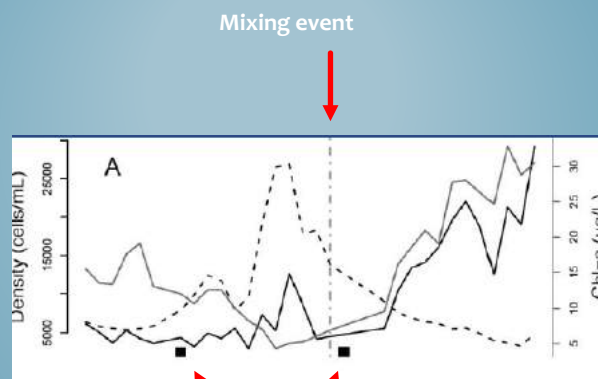


Typical monitoring station will have:

- Weather station
- Thermistor chain
- Dissolved oxygen
- pH
- Turbidity
- Chlorophyll fluorescence
- All every 2-5 minutes

**Inzicht in processen op
relevante tijdschaal**

OPSPOREN VAN GEBEURTENISSEN DIE JE MET REGULIER MONITORING MIST...

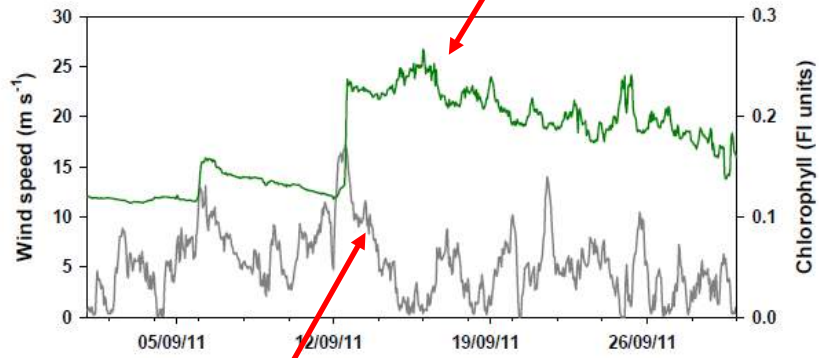


Traditional monitoring

Pomati et al. 2011, EST

**SO MANAGERS
CAN BE
INFORMED...**

Blue-greens appear...



**When windspeed
drops**

**MARIE-CURIE
INNOVATIVE
TRAINING
NETWORK
MANTEL**

**Plukt de vruchten van
het NETLAKE netwerk**

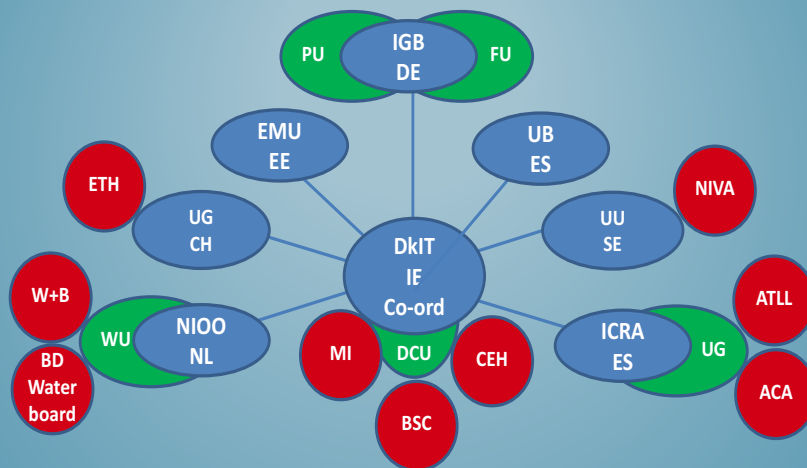


ITN GOALS

- A minimum of three academic organisations form a network with the aim of delivering joint, double or multiple degrees. Joint supervision of the research fellow and a joint governance structure are mandatory.
- The aim is to promote international, intersectoral and multi/interdisciplinary collaboration in doctoral training in Europe.



MANTEL NETWORK



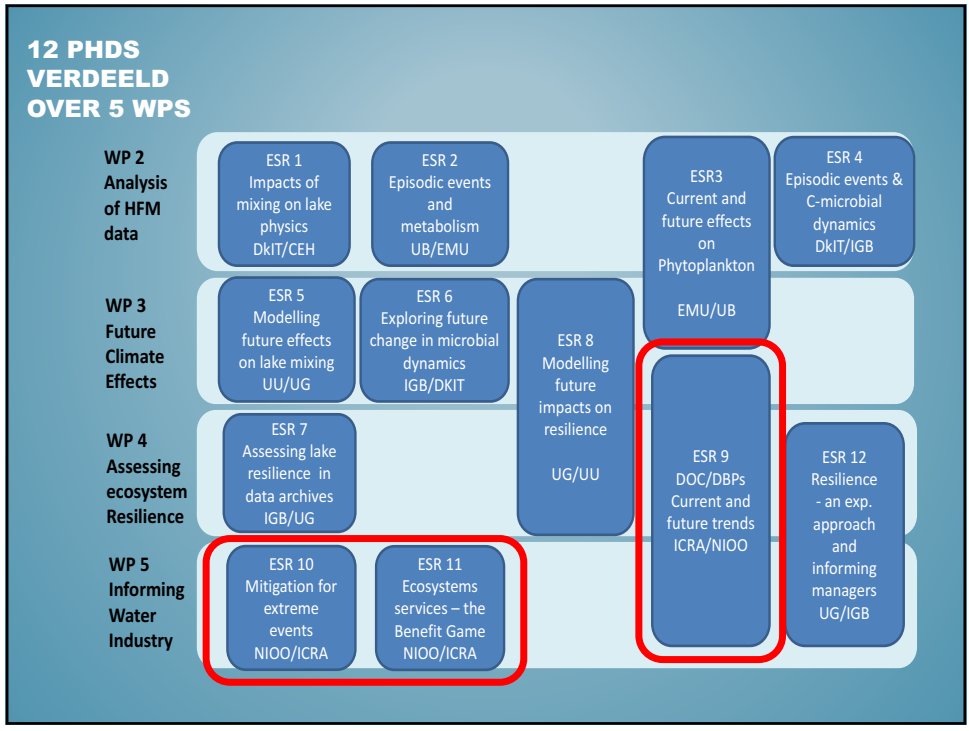
8 beneficiaries (blue) 5 degree awarding partners (green) 9 partners (red)

EEN NETWERK VAN MENSEN



MANTEL DOEL

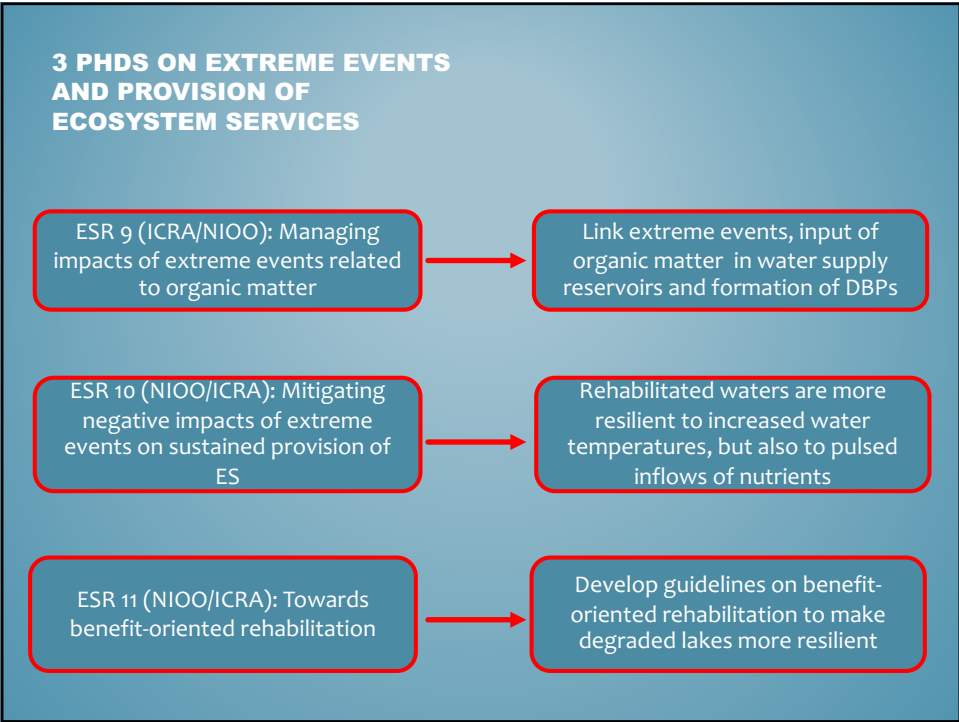
We will provide **training** in state-of-the-art **technology, data analysis** and **modelling**, and sustainable provision of ecosystem services by water management or **benefit-oriented protection of ecosystems services**.



**WP5 (LEAD NIOO):
INFORMING STAKEHOLDERS TO ENSURE
PROTECTION OF KEY ECOSYSTEM SERVICES IN
THE FACE OF EXTREME EVENTS**

Objectives:


- To quantify the management implications of episodic and extreme events
- explore mitigation for **two key challenges** for the water sector: increases in DOM loading, and occurrence of toxic algal blooms




ESR 10: ARE REHABILITATED SYSTEMS MORE RESILIENT?

Waterschap Brabantse Delta

Timeseries modeling of HFM of two degraded systems with ongoing rehabilitation



Mark-Vliet-Dintel catchment

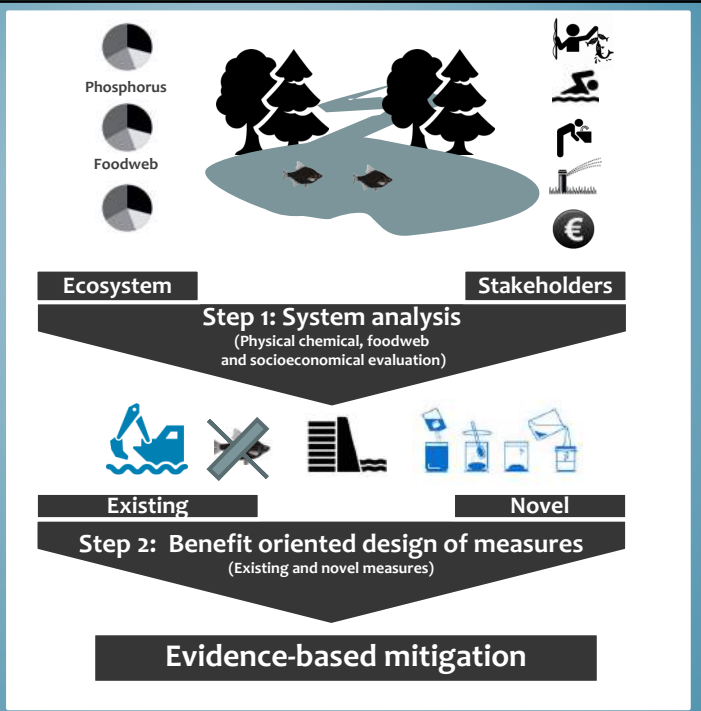


Binnenschelde-Markiezaat

ESR 11: SOCIO-ECONOMICAL ASPECTS OF REHABILITATION MEASURES



ESR 11: SOCIO-ECONOMICAL ASPECTS OF REHABILITATION MEASURES



STARTDATUM:
01-01-2017

