



Rijkswaterstaat  
*Ministry of Infrastructure and the  
Environment*



# **R 7** part of: Water Management Center Netherlands

Jaap van Steenwijk



# Water Management Center Netherlands

- **Main location WMCN:** Lelystad
- 3 Regional centers:
- Alarm Center in Arnhem



Hydro Meteo Center in Rijswijk

- Hydro Meteo Center in Middelburg
- Cooperating with local centers
  - Nautical Center Meuse
  - Water group Western Netherlands



Datum: 01/10/2009 Spreker: E. Verschuiven (RWS) (H) Bron: rijkswaterstaat Project: RWS - Alenkoning Bestand: RWSW_DONAR.rpt	
Ministerie van Volksveiligheid en Waterstaat Rijksinstituut voor Integraal Zoekwerk en Alarmering RIZA	
VROUWZD	WVO drinkwaterinnamelocatie
	DONAR locatiecode

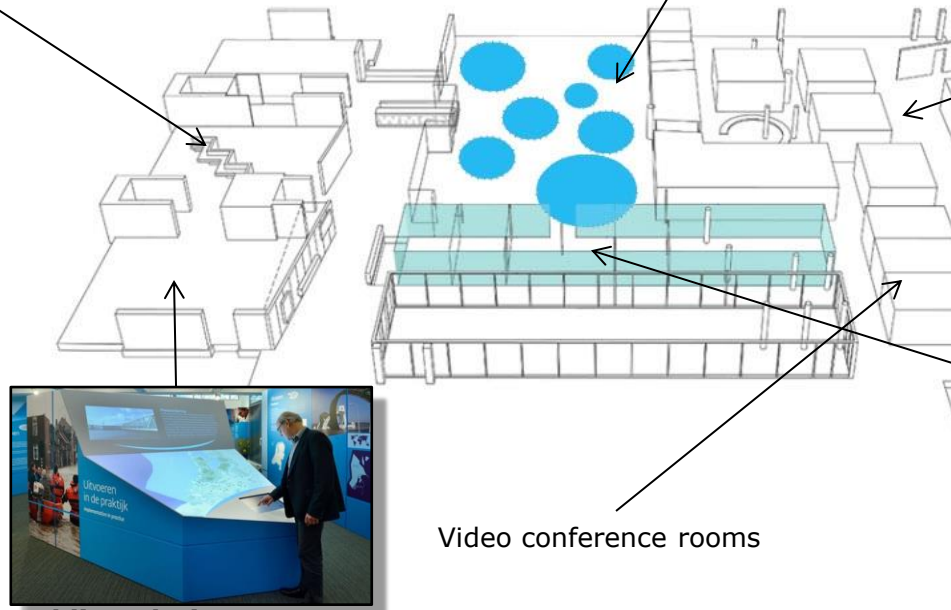
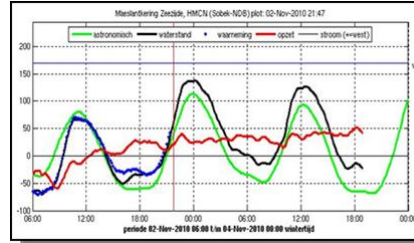
# WMCN main center Lelystad



**Innovation, Education,  
Training and Practice**



**Water room: Water(level) information and  
warnings for rivers, coast, lakes**



**Meeting rooms  
and flex  
working stations**

**Crisis advice National  
committees**



**Video conference rooms**



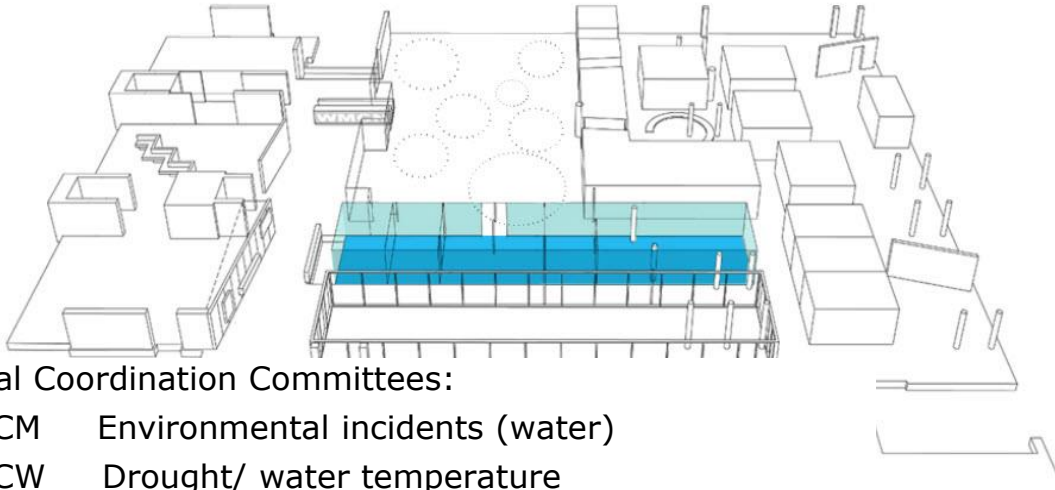
**Public Relations**

Rijkswaterstaat

Watermanagementcentrum NL



# WMCN Lelystad National Crisis Advisory groups



- National Coordination Committees:
    - LCM Environmental incidents (water)
    - LCW Drought/ water temperature
    - LCO Threat of flooding
  - Early warning groups:
    - WMCN Rivers High Water Rivers
    - WMCN Lakes Warning Dikes IJsselmeer
    - WMCN Coast Storm surge warning service
    - WMCN CTW Crisis Team Dikes
- Back office:** RWS experts and Deltares.



## National coordination committee Environmental incidents water (LCM)

**November 1st, 1986:** Fire-brigade report: stockroom 956 of the chemical concern SANDOZ near Basle (Switzerland) is burning down

- Tons of pesticides in the River Rhine!
- National coordination committees supports policy
- Water room provides (technical) advise + information for watermanagement
- On duty: 24 hrs, 7 d/wk
- Experts available on:
  - Biology
  - Chemistry
  - Ecotoxicologie
  - Physical health





## R 7 Alarm Center Arnhem

- Regional Incident management
  - Supporting crisis management
- Info (water levels) for shipping
- International messages





## Procedure International Messages

- Receipt confirmation (to R1 – R6 and secretariat)
- Forward to stakeholders (drinking water companies)
- Informing LCM
- If necessary:
  - Risk assessment (LCM)
  - Estimated time of arrival at drinking water inlet (LCM)
  - End of warning: no!
  - When left the substance Dutch waters? (left the Rhine?, North sea coast?, Lake IJsselmeer (residence time half a year)?, ...)



# Questions?

