



Setting the scene: From forecast to response

4th German-Dutch workshop 2021

Wout de Vries
Rijkswaterstaat



stowa

Deltares

Flood emergency response: members NL working group



Practical tools developed: wiki noodmaatregelen



DAMAGE



FAILURE MECH.



EMERG. MEASURE



DESIGN



IMPLEMENTATION

Processes to keep the levees functioning

- Practical experience
- Applied knowledge
- Tools and systems



Inspectieformulier Dijkbewaking

Dit formulier wordt gehanteerd door de dijkwacht



Geeft het incident door aan de hand van onderstaande vragen.

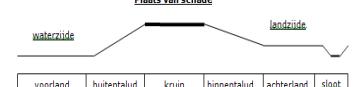
Tijdstip melding: Geef het tijdstip door van de melding

Dijkvak: Geeft het dijkvak door waar u zich bevindt

Locatie: nabij hectometerpaal

Waar:

Plaats van schade



And: a very valuable community

Of the Dutch flood risk management sector:

- Practitioners.
- Calamity managers.
- Knowledge developers.
- Policy makers.

Aiming at effective joint flood calamity management.



Why is NL going international for flood fighting?

Change in:

- Our FRM safety approach, including calamity management;
- Our lack of experience with real floods.



1st Exchange with German Partners 2016, Tiel

Focus:

- Coming from forecasting to effective flood defence emergency measures

Objectives/results:

- Learning from each other
- Building relationships
- Arriving a common agenda
- First actions and regular future cooperation



2nd Exchange with German Partners 2017, Köln

Focus:

- Flood forecasting
- Crisis management
- Emergency measures



Objectives:

Form a continuous community of practice from the German and Dutch side from:

- ✓ Researchers and practitioners
- ✓ Forecasters
- ✓ Crisis managers
- ✓ First responders



Through:

- ✓ Networking,
- ✓ Exchange of knowledge, experiences, data and ideas
- ✓ Learning from each other



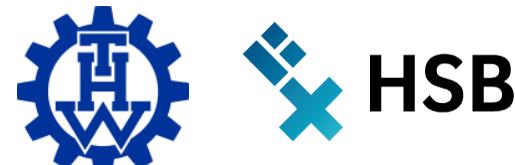
3rd Exchange with German Partners 2019, Hoya

Focus:

- Practical information on flood response measures

Objectives:

- How to implement practical oriented research: geotextile, sandbags
- Do's and do'nts learned from the execution of flood emergency response measures
- Crisis organisations: how to bring these at a higher maturity level



4th Exchange NL-German Partners 2021, M-burg

Focus:

- Flood forecasting, crisis management and emergency response

Objective:

- Community of Practice



4th Workshop
Dutch-German
knowledge exchange

28-30 september 2020
Maagdenburg/Sachsen-Anhalt



What did we do?

Presentations

- From flood forecast to appropriate flood fighting
 - Tools of flood risk management
 - Real-time monitoring and forecasting dike strength
- Emergency measures for the flood defense line
 - Development of new techniques and constructions
- Education, Training and Practical Exercises
 - Training Centre Hamburg
 - Professionalizing dike inspection
 - Enhancements in education concerning dike defending

Discussions

- How to make interaction sustainable to keep each other informed and to learn from each other?
- Defining a common agenda and common initiatives for the future

What did we achieve?

An enthusiastic session with a lot of energy and tangible results and actions!

Bi-lingual wiki sub-site to share knowledge, experience and tools

Exchange of risk-based forecasting approaches

Joint calendar of exercises and events

Rapid response team for assistance during real flood events

Comparison of Dutch and German handbooks on levees

Overview of testing facilities in NL and GER

Share experience with damage to stoplogs

Experience and ideas for Serious Gaming applications

Provide a glossary of terms
NL / GER / ENG

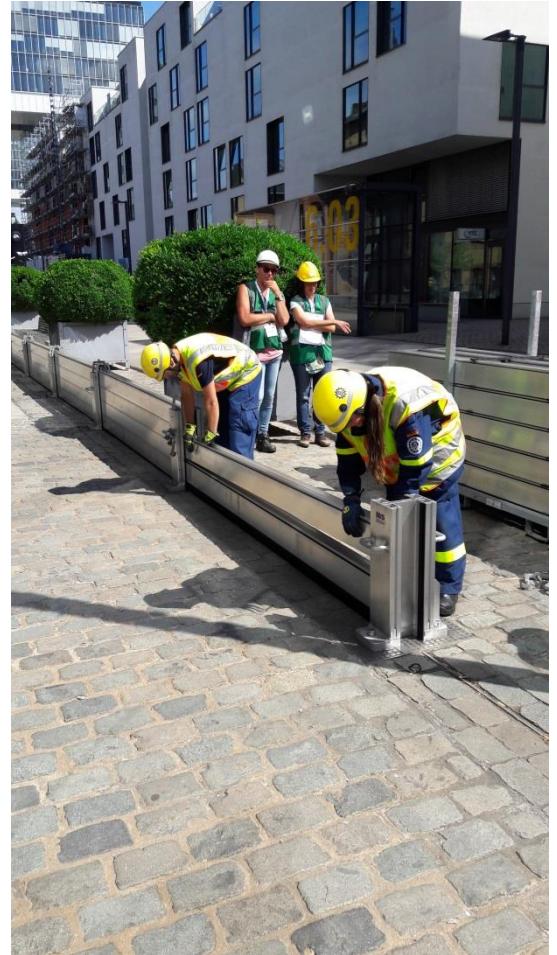
Follow up

- Sharing all presentations from workshops on our English-speaking subsite of our internet platform Wiki Emergency Measures.
- THW (German Federal Agency for Technical Relief) sent THW final reports concerning the floods 2002 and 2013 in Germany.
- A start made with developing a multilingual glossary of terms in collaboration with the Dutch national flood calamity team and the Armed Forces.
- Contribution to the HKC Fachtagung 2017



Wiki Flood emergency response measures

Flood Exercise Cologne June 2017



Ongoing international activities

Exchange with:

- US Army Corps of Engineers
- UK Environment Agency
- Contacts with Germany
- Contacts with Belgium, France etc.
- Floodrisk 2021 Paper for collaboration
- Start writing first concept Handbook



Common future activities

To be formulated.



