



Setting the scene: From forecast to response 2nd German-Dutch workshop 2017

Wout de Vries
Rijkswaterstaat



stowa

Deltares



stowa



Deltares



Working group members in NL



Practical tools developed



Processes to keep the levees functioning

- Practical experience
- Applied knowledge
- Tools and systems



Inspectieformulier Dijkbewaking

Dit formulier wordt gehanteerd door de dijkwacht.

Geef het incident door aan de hand van onderstaande vragen.

Tijdstip melding:	Geef het tijdstip door van de melding
Dijkvak:	Geef het dijkvak door waar u zich bevindt
Locatie:	nabij hectometerpaal
Waar:	Plaats van schade

waterzijde

landzijde

voorland buitentalud kruin binnentalud achterland sloot

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?

Change in:

- Our new FRM safety approach;
- Our lack of experience with real floods.



1st Exchange with German Partners 2016

Focus:

- Coming from forecasting to effective flood defence emergency measures

Objectives:

- Keen to learn from each other
- Build relationships
- Arrive at a common agenda
- First actions and regular future cooperation



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

Discussion

- How can we 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 (15!) 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

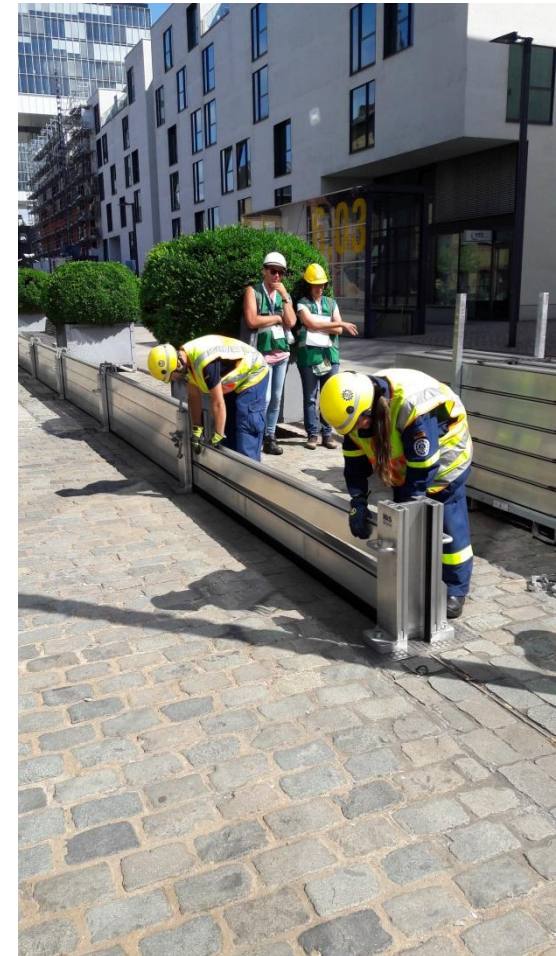
Experience and ideas for Serious Gaming applications

Provide a glossary of terms
NL / GER / ENG

Follow up activities

- Sharing all presentations from the last workshop 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 is made with developing a multilingual glossary of terms in collaboration with the Dutch national flood calamity team and the Armed Forces.

Flood Exercise Cologne June 2017



Ongoing international activities

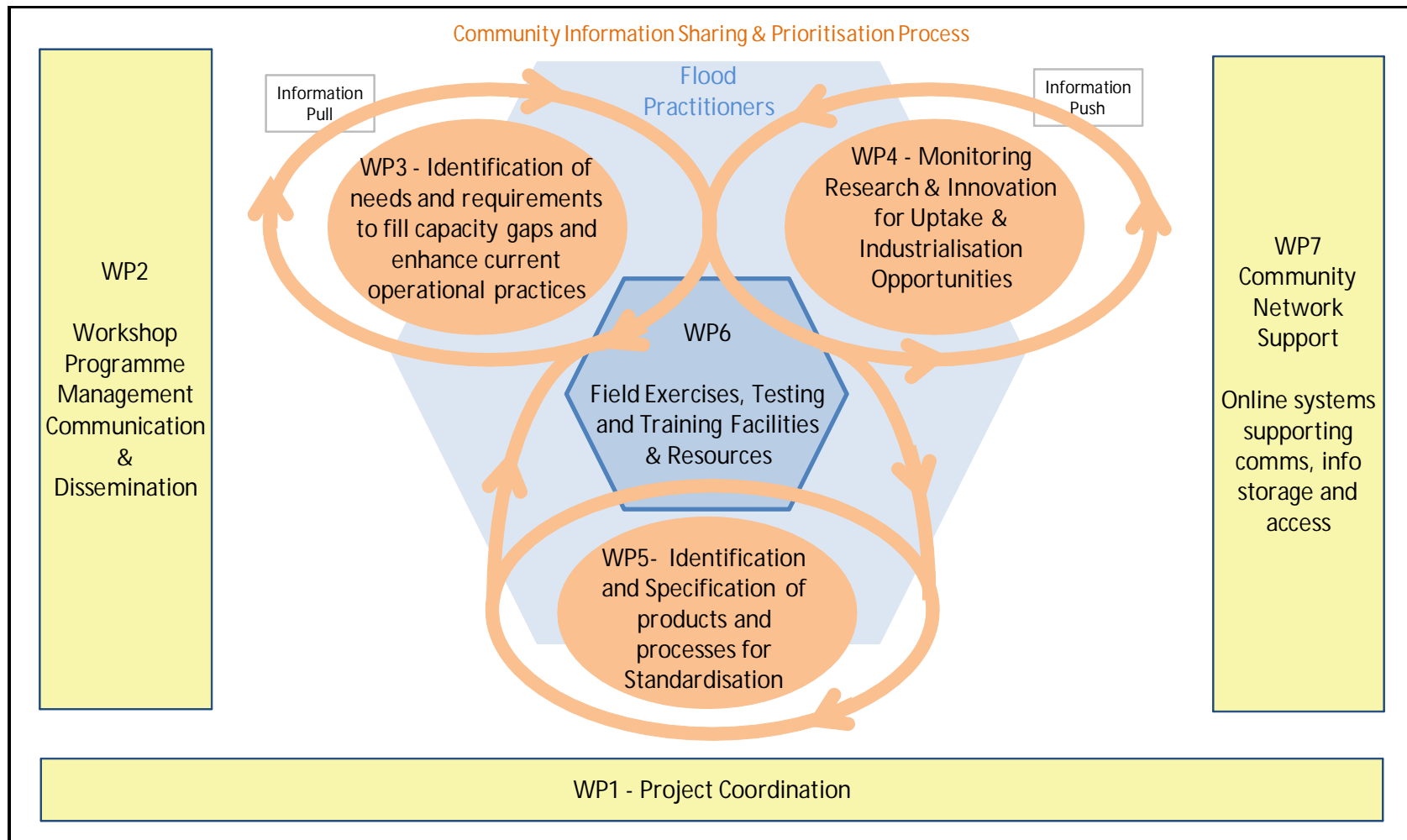
Exchange with:

- US Army Corps of Engineers
- UK Environment Agency
- Letter of Intent with Sachsen Anhalt
- Contacts with Belgium
- EU Horizon 2020 proposal FloodSecure



FLOODSECURE

A Pan-European Network of Flood Response Practitioners



Opening

- | | |
|-------|---|
| 10:00 | Welcome with coffee |
| 10:30 | Marlene Willkomm (StEB Köln): <i>Opening and introduction</i> |
| 10:45 | Wout de Vries (Rijkswaterstaat): <i>Setting the scene</i> |

Emergency measures and Crisis management

- | | |
|-------|---|
| 11:00 | Peter Fröhle (TU Hamburg-Harburg): <i>Mobile flood protection systems</i> |
| 11.25 | Daniel Bachmann (Deltares): <i>Critical infrastructures</i> |

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|-------|-------|
| 11:50 | Lunch |
|-------|-------|

Forecasting

- 13:00 Manfred Bremicker (LU Baden-Württemberg) / Andreas Meuser (LfU Rhineland-Palatinate): *Hochwasservorhersage für den Rhein vom Bodensee bis Emmerich*
- 13:30 Eric Sprokkereef (RWS) / Jasper Stam (RWS): *Flood forecast in the Netherlands*

Education, Training and Practical Exercises

- 14:00 Wijnand Evers (Water Board Drents Overijsselse Delta): *Lessons learned from exercise Swell & Breach and the role of the national and international teams for averting floods CTW and ITAF*
- 14:30 Volker Lüdicke (StEB Köln): *Exercise 2017 Mobile flood protection in Cologne*

- 15:00 Break with coffee

Plenary discussion

- 15:15 Discussion (chairman: Ulrich Förster & Daniel Bachmann)
Dutch-German Community of Practice in flood forecasting, crisis management and emergency response: Set-up and common initiatives for the future
- 16:00 Summary and follow-up