



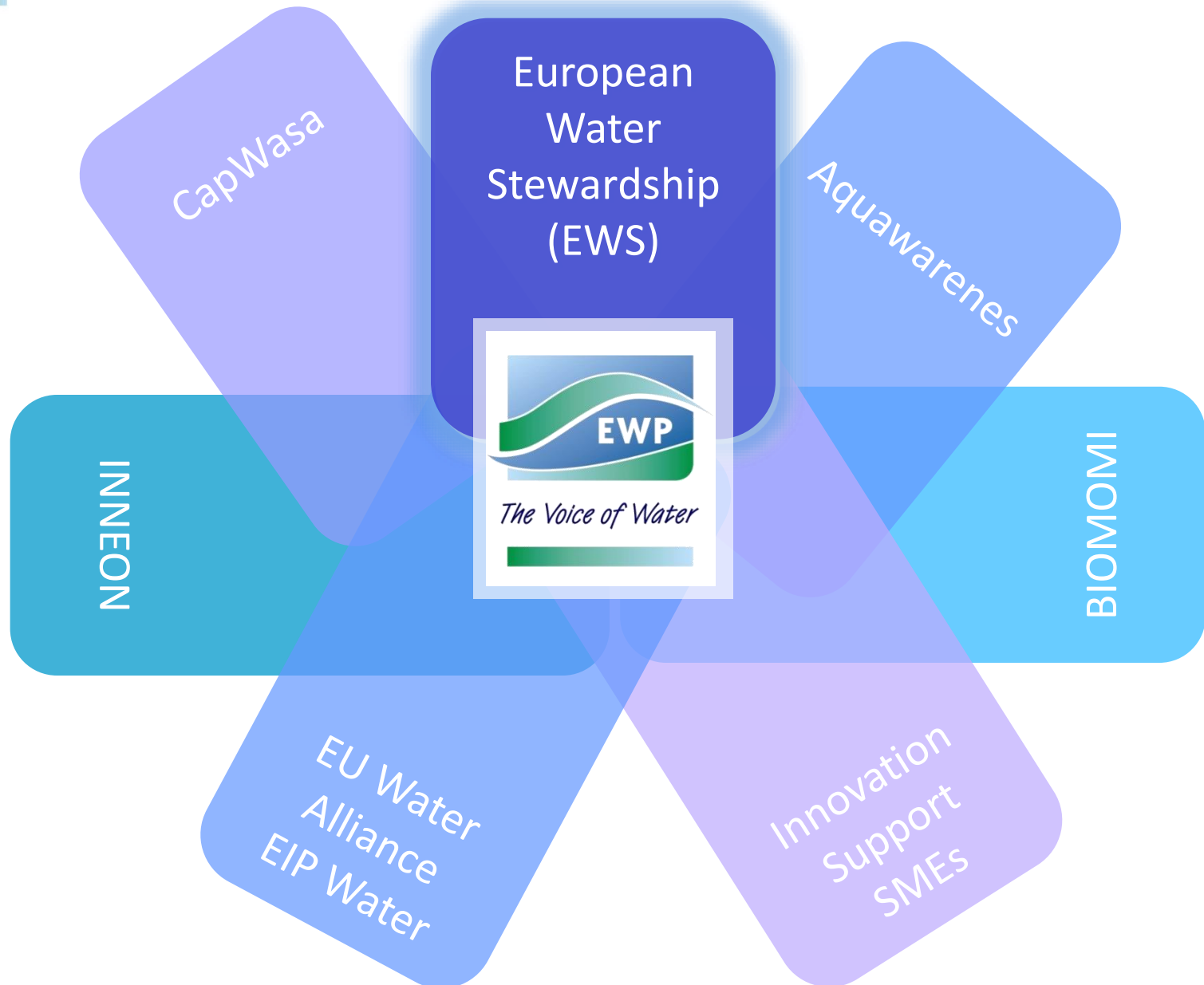
Experiences with Water Stewardship in Industry

Meeting of NICOLE Industry Sub-Group

Brussels, November 4th, 2015

Tom Vereijken

EWP Portfolio – Current status





Water Stewardship global definition

“The use of water that is:

- ***socially equitable***
- ***environmentally sustainable***
- ***economically beneficial***

*achieved through a **stakeholder-inclusive process** that involves **site- and riverbasin-based actions**.*

*Good water stewards understand their own water use, river-basin context and **shared risk** in terms of water governance, water balance, water quality and important water-related areas;*

*..and then engage in meaningful individual and **collective action**.”*

Cross-sector focus

Chemicals and Paper



Meat Processing



Airports



Agriculture



Water Service providers



Beverage & Breweries



Automobile industry



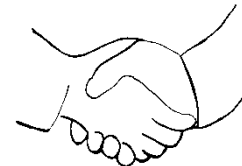
Cement Industry



Cities and Municipalities

River Basin Partnerships

Policy Partners





EWS Structure



STANDARD

Document information

Version: v4.8 Dec 2012

Language: English

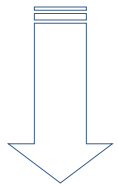
Date: Dec 2012

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MAJOR 💧💧

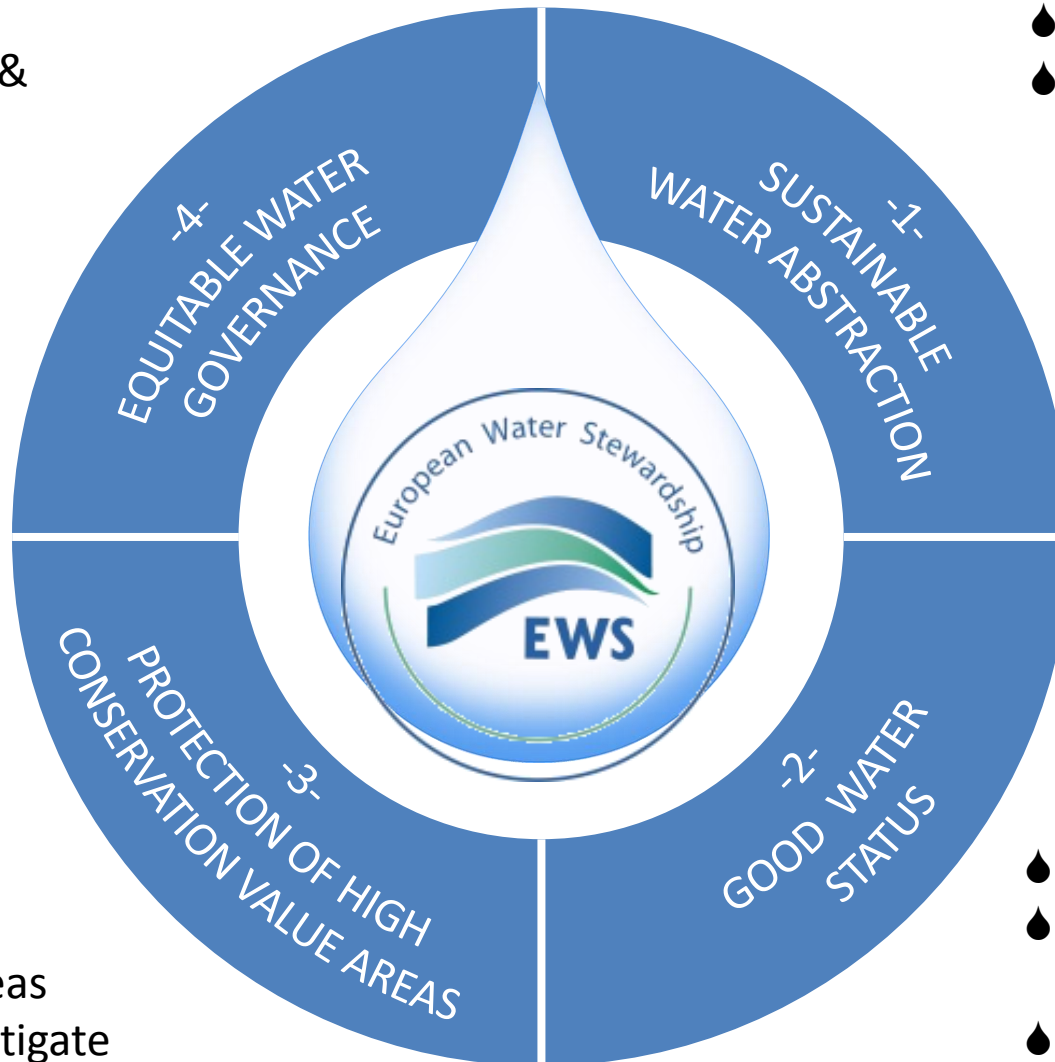
MINOR 💧

RECOMMENDATION



4 Water Stewardship Principles

- Engagement (stakeholders & supply chain)
- Energy-water nexus
- Transparency
- Efficiency



- Source integrity
- Assess and mitigate impacts

- Know HCV areas
- Assess and mitigate impacts

- Input analysis
- Regulatory obligations
- Assess and mitigate impacts



Water Stewardship Process





EWS Implementation

SELF-ASSESSMENT

Internal identification of water management gaps. Provides information to develop a water management strategy .



- Internal performance assessment
- Information

PRE-SCREENING

Consultant evaluates performance of water management on site. Assess needs to ensure EWS standard compliance.



- Pre-screening report
 - Gap analysis
 - Performance evaluation

CERTIFICATION

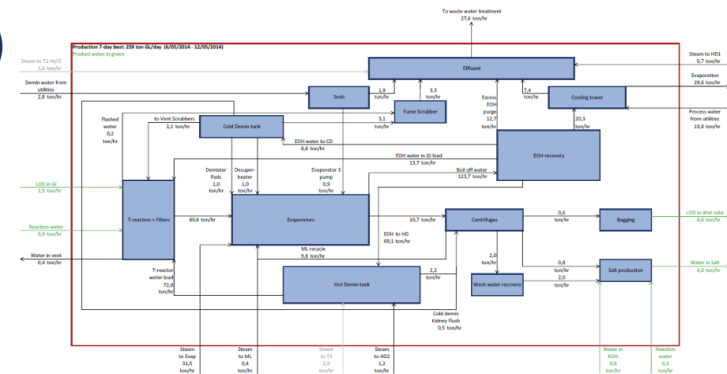
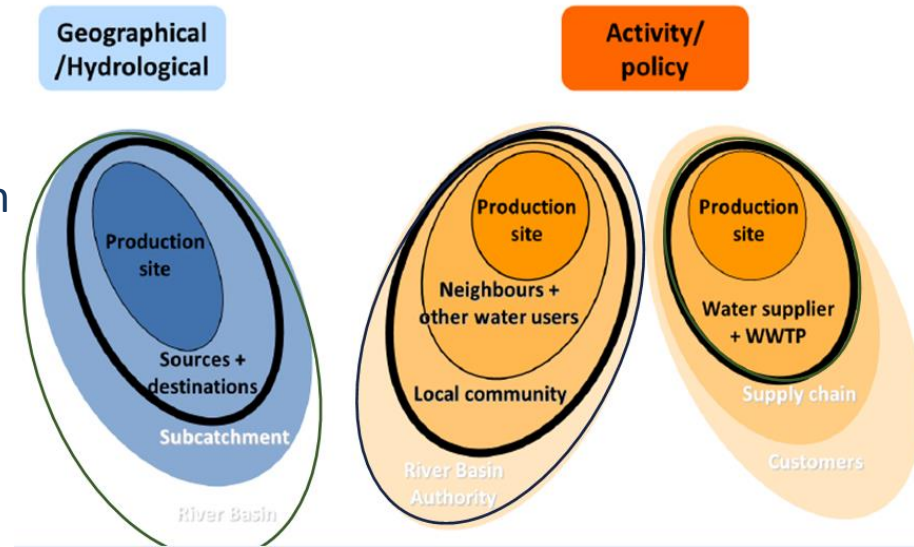
On site audit from accredited certification body to certify compliance with EWS standard.



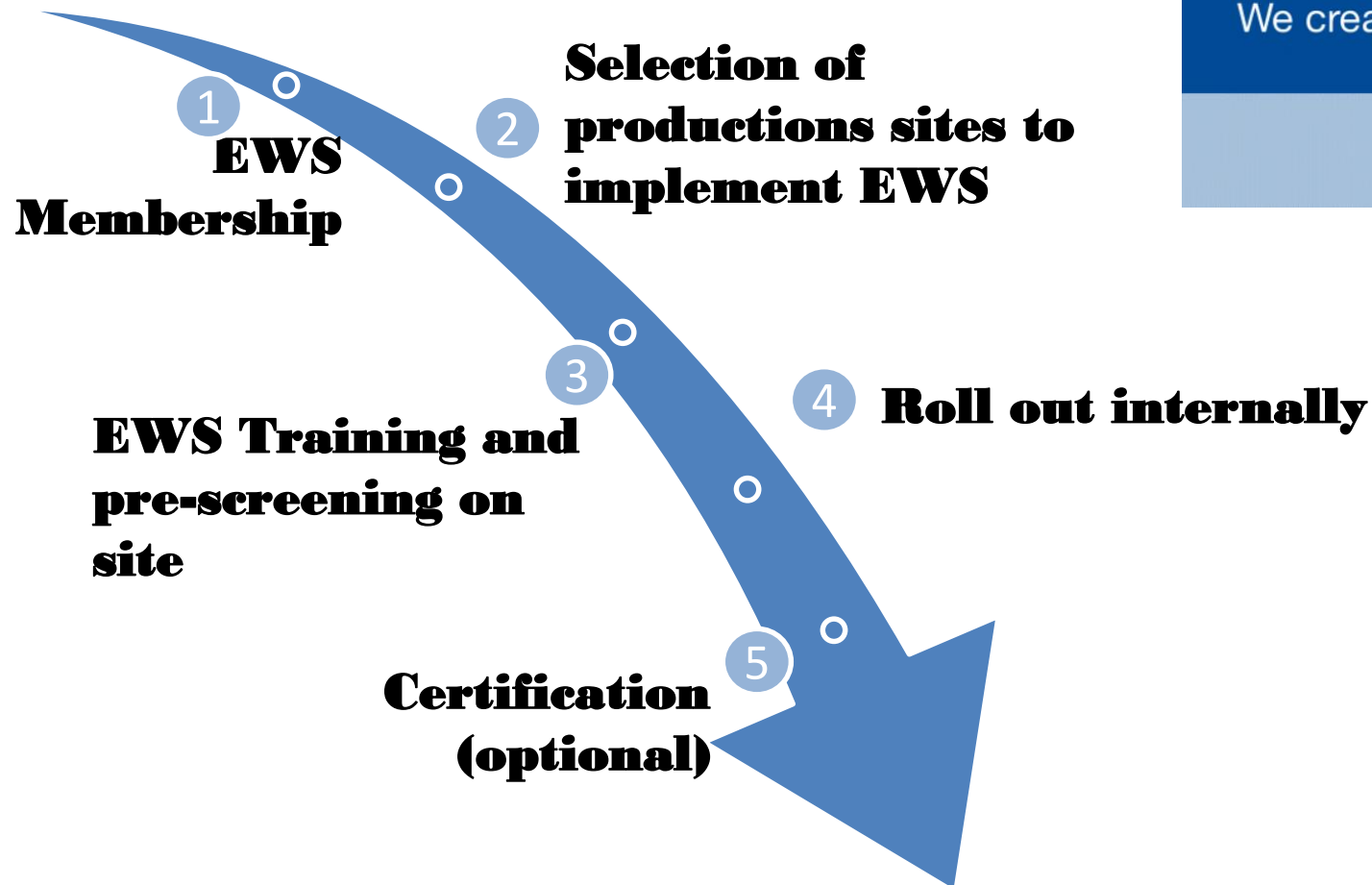
- Audit report
- Certificate (valid for 3 years)

Case: actions taken

- **Water supply:**
 - Info on River Basin Management Plan
 - Control on water intake
- **Water discharge:**
 - Screening impact of used products
 - priority substances, WFD
- **High Conservation Areas**
 - Know HCV areas
 - Assess and mitigate impacts within 25 km circle
- **Water management strategy:**
 - Define water-energy nexus
 - Define water footprint (identification of losses)
 - KPI's: specific water use/kg product
 - Formulate water strategy



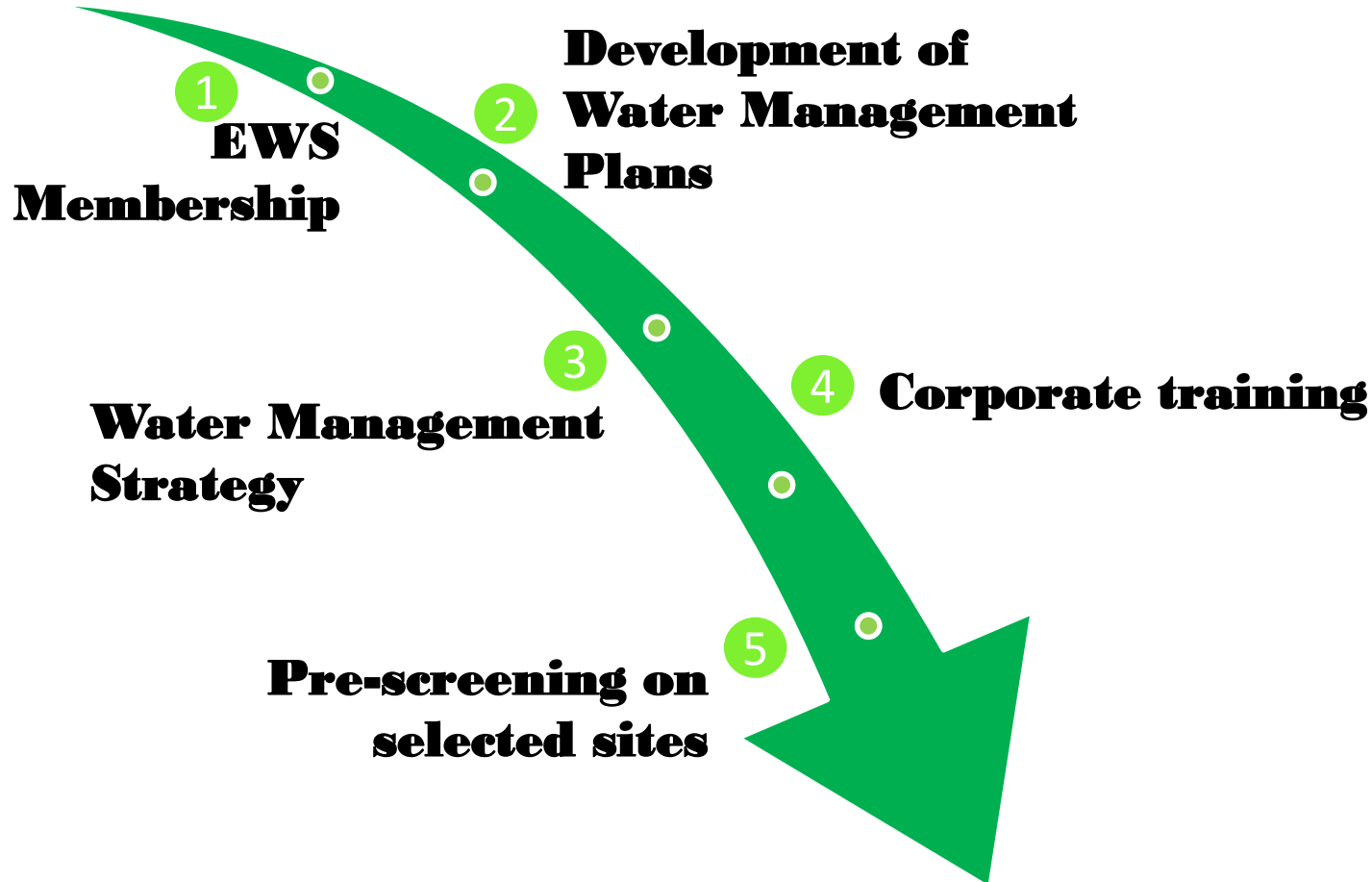
EWS Implementation BASF





EWS Implementation in Heidelberg Cement

HEIDELBERGCEMENT
GROUP



Certification outcomes



A certificate of compliance is awarded for a period of 3 years





Powerful Communication with EWS Certification



- Business to Business Correspondence
- Advertisement in media and customer correspondence
- CSR Reporting
- Label on secondary packaging (off-product)



Why did you chose to implement EWS ?

To communicate our work on water

To improve our water management on-site

To support the development of a water management strategy

For guidance on how to assess and mitigate water related risks



What did you achieve with the implementation of EWS?



Improvement of internal knowledge on how water is managed on-site



Improvement of communication with authorities and communities



Provide information to our investors on how we manage water related risks



Water Savings



Implementation of new technologies for water management (re-use, recycling, etc.)



What did you achieve with the implementation of EWS?



Improvement of internal knowledge on how water is managed on-site

94% of respondents reported improvement



Improvement of communication with authorities and communities

53% of respondents reported improvement



Provide information to our investors on how we manage water related risks

35% of respondents reported improvement



Water Savings and wastewater reduction

30% of respondents reported water savings up to 50%; waste water reduction up to 10% (Y1)



Guidance on implementation of new technologies for water management (re-use, recycling, etc.)

18% reported using EWS to guide implementation of new technologies



Stories from EWS Water Stewards



Water is local, shared by multiple users and entails complex regulatory challenges



Water requires a strategic approach, addressing long-term risks and opportunities for production



Europe has a tool for strategic management of water and communication of achievements: EWS

Overview pilot projects, prescreenings and certifications

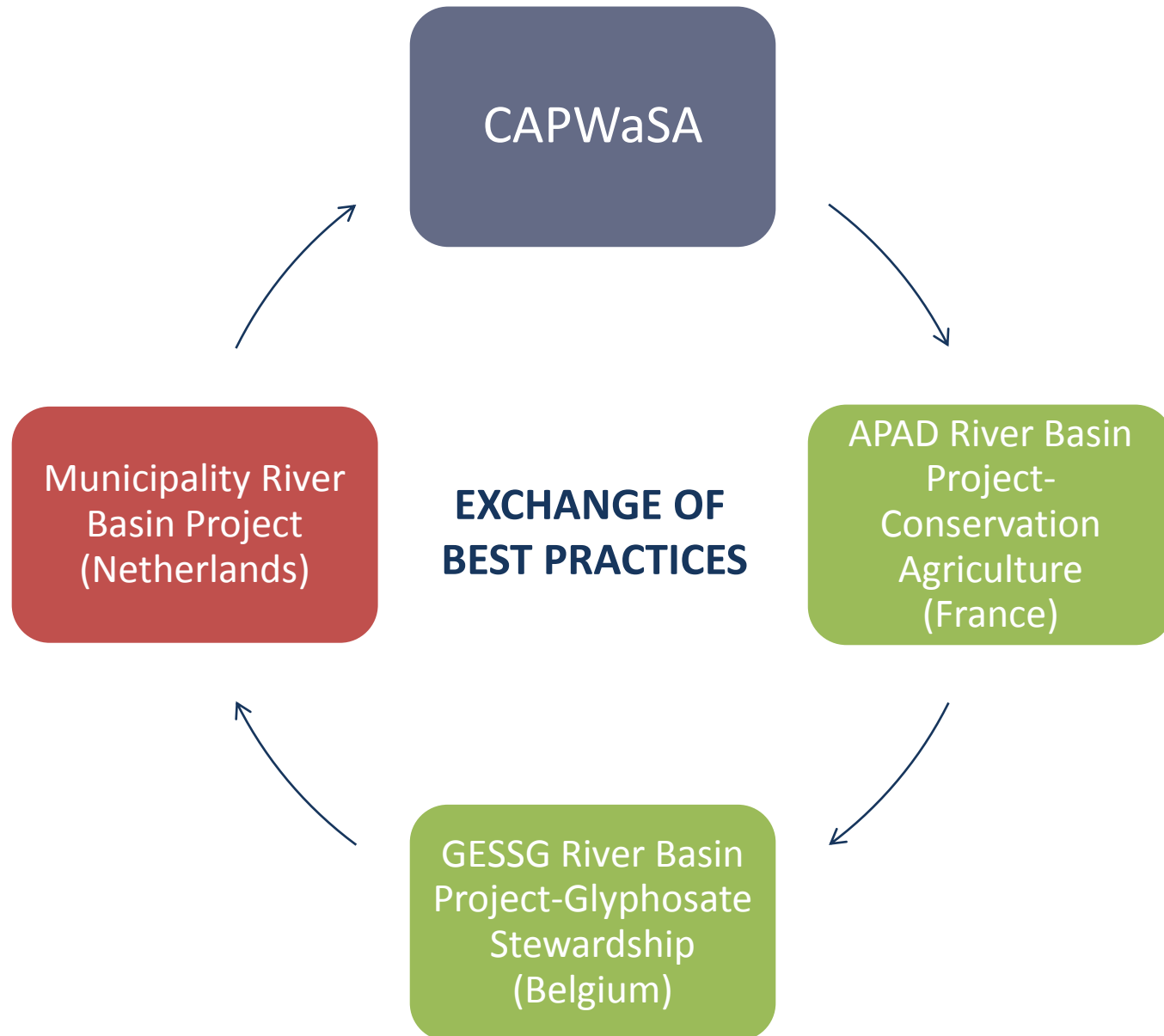




EWS Urban Stewardship



Collective Actions Promoting Water Stewards in Agriculture



NEW Training Center



**WaterCampus,
Leeuwarden, The Netherlands**

Progress overview- EWS

**STANDARD &
VERIFICATION
SYSTEM**

Pre-screenings and
Certifications
Standard Development
Committee

**MEMBERSHIP
&
GOVERNANCE**

Participation in events
and conferences

**WATER
STEWARDSHIP
TRAINING**

Clients, CB's,
Implementation
Partners, Universities



EWS: Who we work with

Landwirtschaftskammer
Niedersachsen



Coca-Cola Europe



Easton Consult
WATER MANAGEMENT

GLOBALG.A.P.

TUV NORD
INTEGRA



SGS

Bayer CropScience



desiras

ecodes
tiempo de actuar



DU PONT

ecologic

water witness
...because we're all downstream



syngenta

HOLMEN

agriglobal

Grontmij

SIWI



LRQA

VEGRAS



CDP
DRIVING SUSTAINABLE ECONOMIES



cepi
confederation of european paper industries



wbcscd

BASF
The Chemical Company

zenith
international

European
Crop Protection

European Environment Agency



cefic



Messe Berlin



HPC

ALLIANCE FOR
WATER STEWARDSHIP

Thank you for your attention!

more information on:

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NICOLE

Network for Industrially Contaminated