



"WHEN WATER CAN BECOME AN ENEMY"

- we need to combine and stand together!

**THIS WILL GIVE THE GOOD PRACTISE
AND THE GOOD POLICY**

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The danish pilot project AQUARIUS

- 💧 Shows how win-win solutions can be found
- 💧 Key message:

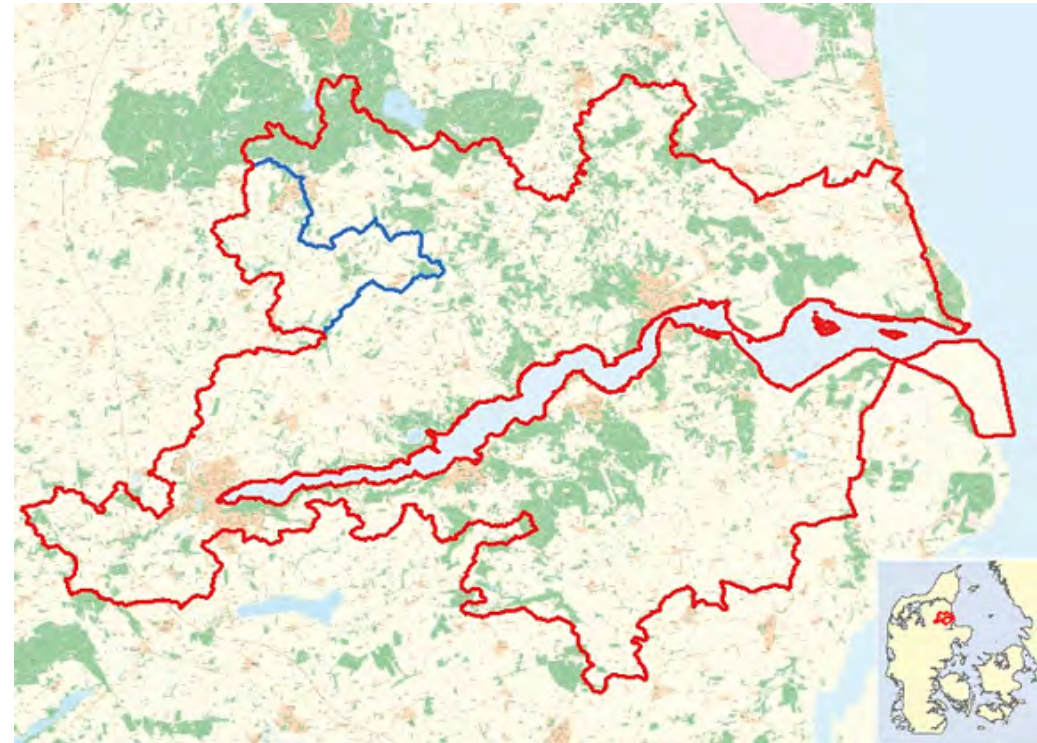
Involvement on the basis of
combining methods is the best
practise

- A practise that could be used to protect e.g. forest

The pilot group

Partnere fra vand myndigheder
(lokale, regionale,
nationale), forskere,
landbrugsrådgivere
(lokale, regionale,
nationale)

Landmændene som
vandforvaltere er i fokus



Aim of AQUARIUS

- 💧 To ensure that initiatives are taken and carried out in a specific area
- 💧 Initiatives must make
 - 1) effective and profitable business go hand in hand with
 - 2) creating and maintaining a good water environment

It's important all different stakeholders are involved



💧 [picture]

- 💧 Bringing all the mentioned parties/different stakeholders together it is ensured the area that needs protection (e.g. the forest) is being taken care of as a resource for sustainable development, human health, cultural heritage and economic activities



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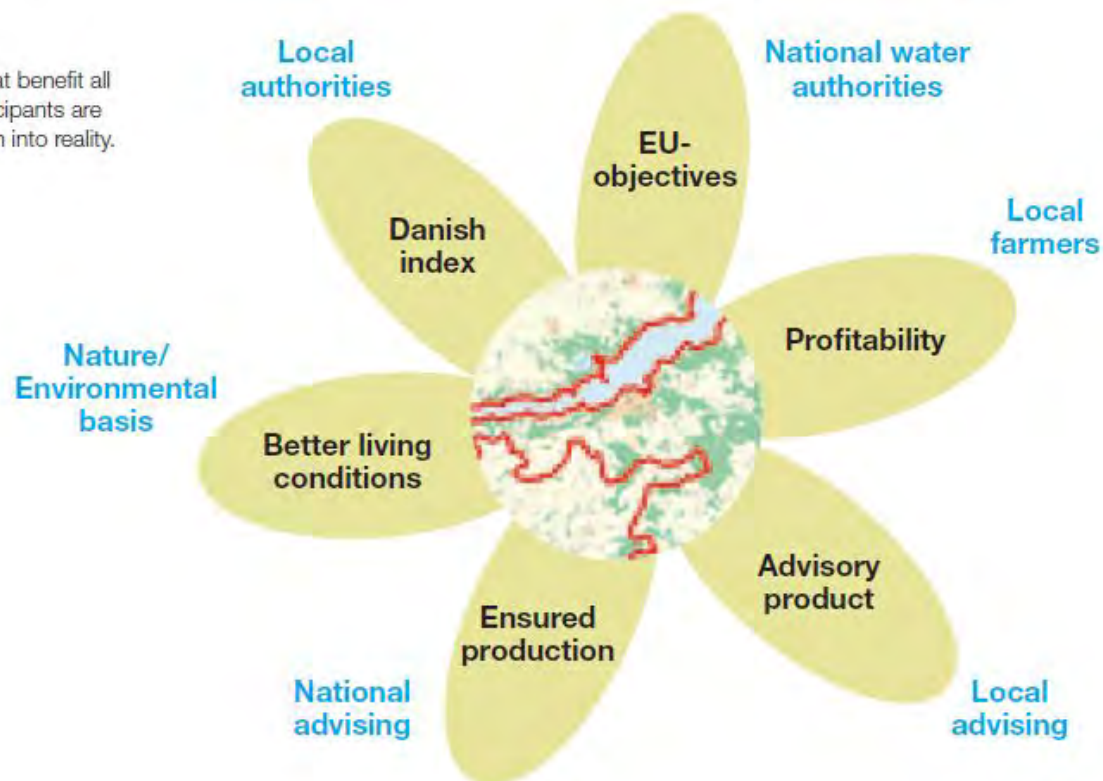
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Figure 1
Solutions that benefit all
project participants are
easier to turn into reality.



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The best practise: Involvement on the basis of combining methods



💧 In Aquarius various key methods have been grouped in three categories:

💧 Technical methods

💧 Financial methods

💧 Participatory planning

💧 No single method can stand alone



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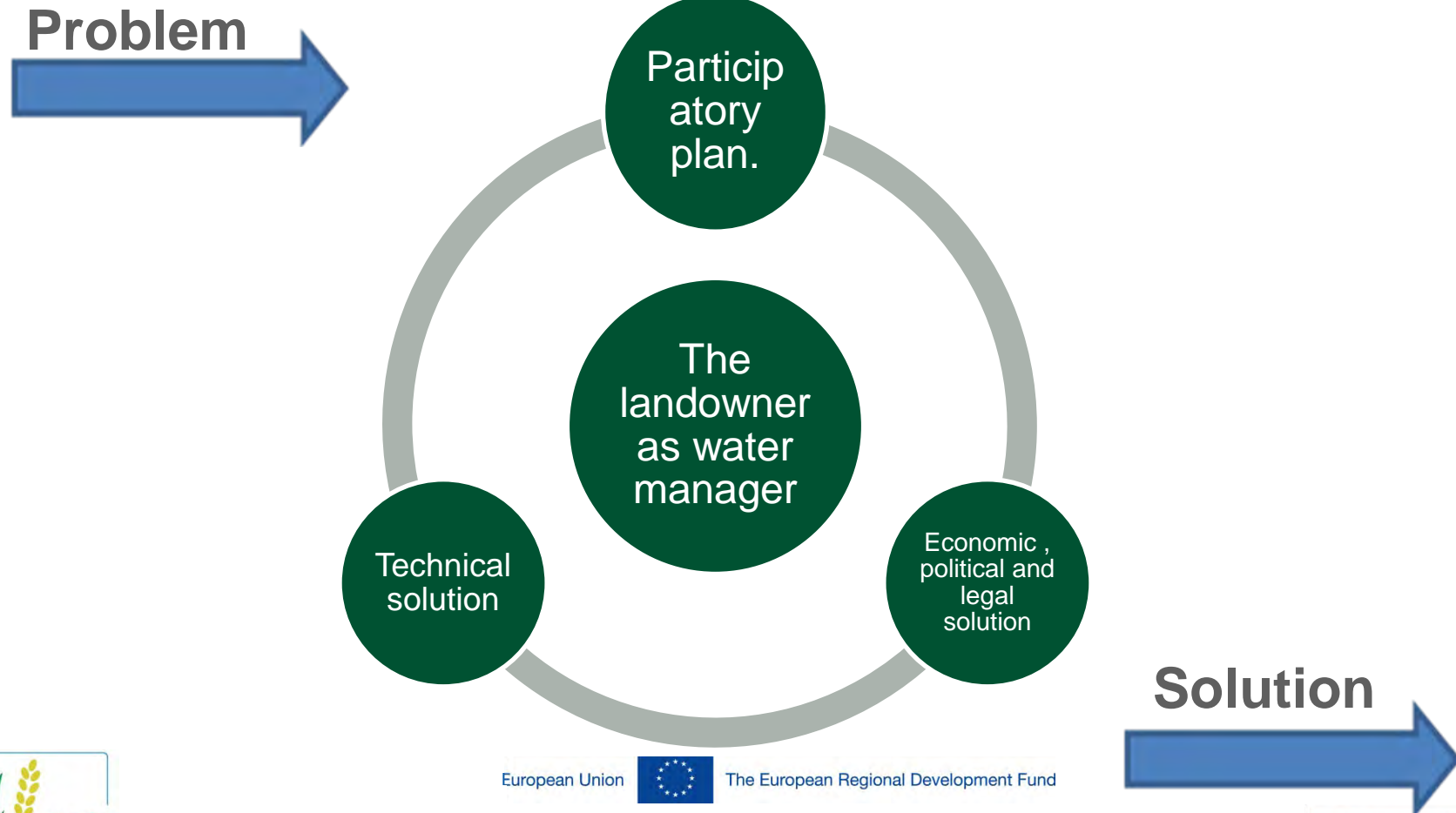
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The Problem Solution Wheel

The three methods is beeing combined in The Problem Solution Wheel



Most important issue for the **landowner** who can affect the forest/owner of the forest



- 💧 Landowners want to be involved in finding solutions that are
- 💧 **neutral to**
- or
- 💧 **benefit their income**



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Most important issue for **the water authority** in the area

Find new solutions which

- 💧 are to the **benefit of the catchment/forest**
- 💧 are in accordance with the **legal obligations**, and
- 💧 good for the **local business**

Special recommendation from the landowners advisor

- 💧 Have a **non-biased advisor** in the group
- 💧 It gives the advisor a possibility to mediate and establish trust which leads to new solutions that all members can support

On **financial** issues all stakeholders recommend



💧 It is important to find **market based business cases** to the benefit of for the land/forestowners and to the benefit of for the water environment in the area

💧 (Cases in this form are more sustainable and longer-lasting than supported initiatives)



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On **technical** issues all stakeholders recommend



- 💧 Models are discussed and **verified in the group** of stakeholders
- 💧 For instance by measuring nitrogen content in water [The colour picture of the N leaching out in the fjord]



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On the **process** issue all stakeholders recommend (1)



- 💧 That the group should **include stakeholders who have a role** in the use and the management of the area/the forest
- 💧 The stakeholders shall deal with a **limited and well defined area** to which all stakeholders have a relation (for instance to a catchment or to a forest)



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On the **process** issue all stakeholders recommend (2)

- 💧 That it is important to achieve a **common and visualized understanding** of the (N-)problem based on scientific knowledge and data
- 💧 **KEEP IT SIMPLE** – and **define** on which **(uncertain) knowledge** action will have to be taken

AQUARIUS & WaterCAP

- 💧 Life
- 💧 Environment
- 💧 Innovation
- 💧 Job creation
- 💧 Economical benefits
- 💧 Bridging the gap

Gruppens udgangspunkt er unikt

- Lever op til social-videnskabelig "state of the art"
 - Bæredygtig forandring/innovation gn. "Social læring"
 - Bæredygtig forandring og innovation gn. "Adaptive Management"
- Praktikere eksperimenterer i praksis
 - Derfor er processen god at lære af

Hvordan bliver barrierer til win-win-løsninger og innovation ?

- Erkende barrierer → stor refleksion
- Erkende fælles handlemuligheder i fht. barrierer → ændret struktursyn
- Tillid til win-win præmissen (og til hinanden) → skabes i praksis
- Vilje til at eksperimentere og handle i uvished → ændret videns
- Opbakning/mandat i administrativt og politisk bagland → et udg
- Tage del i et fælles lederskab → skabe opbakning og mandat

→ **Resultat: Radikal innovation i samfundets interesse**

Konklusion

- Involvering af interessenter er vejen frem – jf. EU Vandrammedirektiv
- Hvem der skal involveres er bestemt af konteksten
- Barrierer, løsninger og virkemidler er bestemt af konteksten
- Den højeste grad af involvering flytter mest – radikal innovation
- Win-win løsninger er mulige på mange måder
- Nogle win-win løsninger er hurtigere end andre, men alt skal med
- Vekselvirkningen mellem barrierer og muligheder skal udnyttes
- Mandat og kollektivt lederskab er påkrævet

Gevinsterne ved aktiv involvering

- Planerne vil blive gennemført mere succesfuldt: Giver større ejerskab til målene, flere der bidrager med løsninger, færre klager, mindre træghed...
- Bemærk, der er ingen enkeltstående korrekt måde at udføre aktiv involvering på, - skal være kontekst specifik



Wetlands as Win-Win-solutions, experiences from Aquarius - Sweden

Problems (thought to increase further with climate changes)

