

AquaCache

Leen Vandepitte

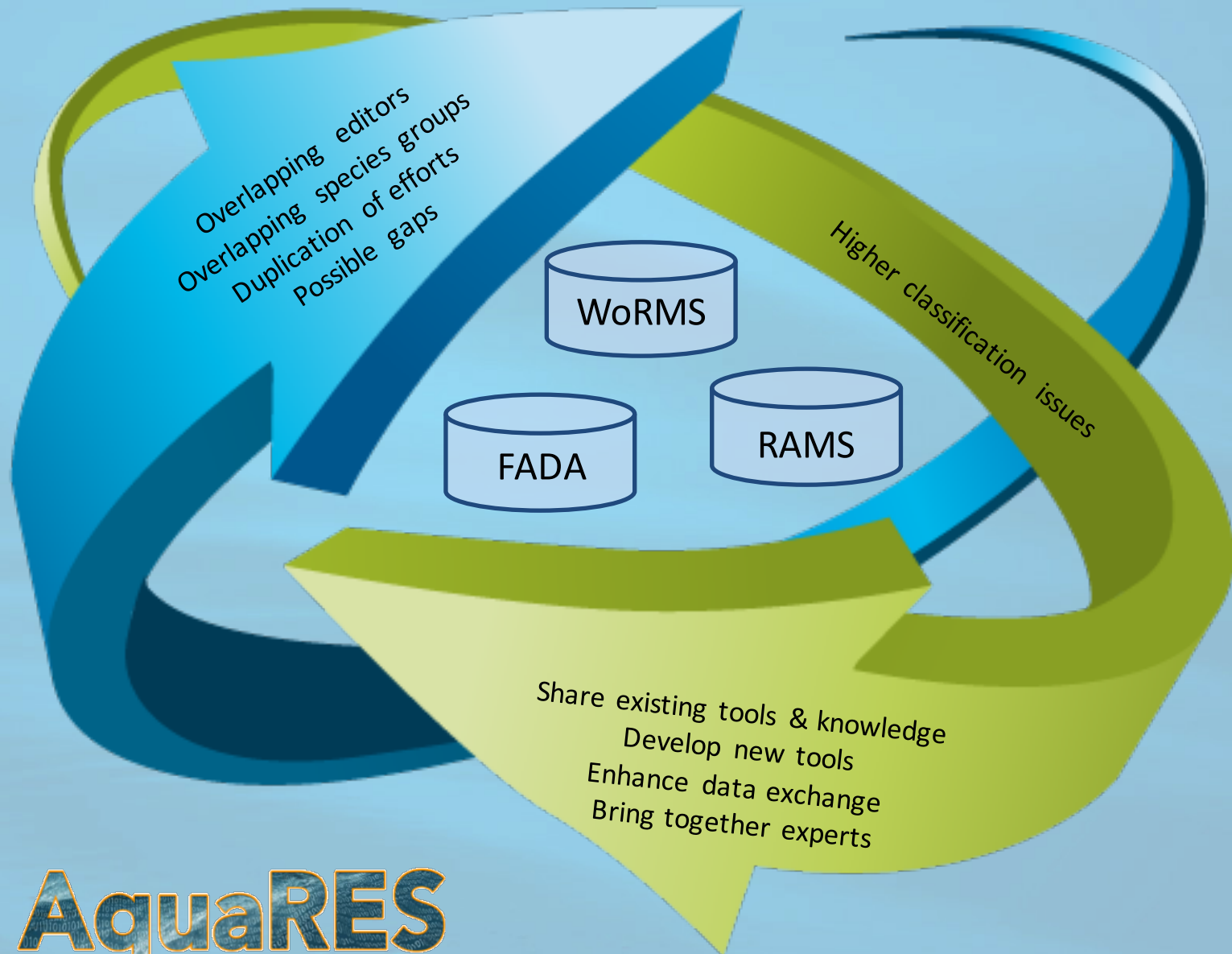
On behalf of the WoRMS Data Management Team



Flanders Marine Institute



Three aquatic species registers – entwined



Three aquatic species registers – creating order in the chaos

- Identify overlap in editors & groups
 - Marine & freshwater taxa managed independently in separate databases

| | Platyhelminthes | Copepoda | Rotifera |
|-------|------------------------------|----------------------------------|----------------|
| WoRMS | Tom Artois (<i>et al.</i>) | Geoff Boxshall (<i>et al.</i>) | Hendrik Segers |
| RAMS | Tom Artois | Juliana Kouwenberg | / |
| FADA | Tom Artois | Geoff Boxshall | Hendrik Segers |

| | Ostracoda | Amphipoda | Tardigrada |
|-------|----------------|--------------------------------|--|
| WoRMS | Simone Brandão | Tammy Horton (<i>et al.</i>) | Reinhardt Kristensen (<i>et al.</i>) |
| RAMS | Simone Brandão | Claude De Broyer | / |
| FADA | Koen Martens | Risto Vainola | James Garey |

- Check ‘centre of gravity’ for each group
- Offer editor opportunity to manage data in single database
- Offer editors opportunity to join forces and manage data in single database
- Guaranteed proper & timely data exchange

Three aquatic species registers – Living Apart Together

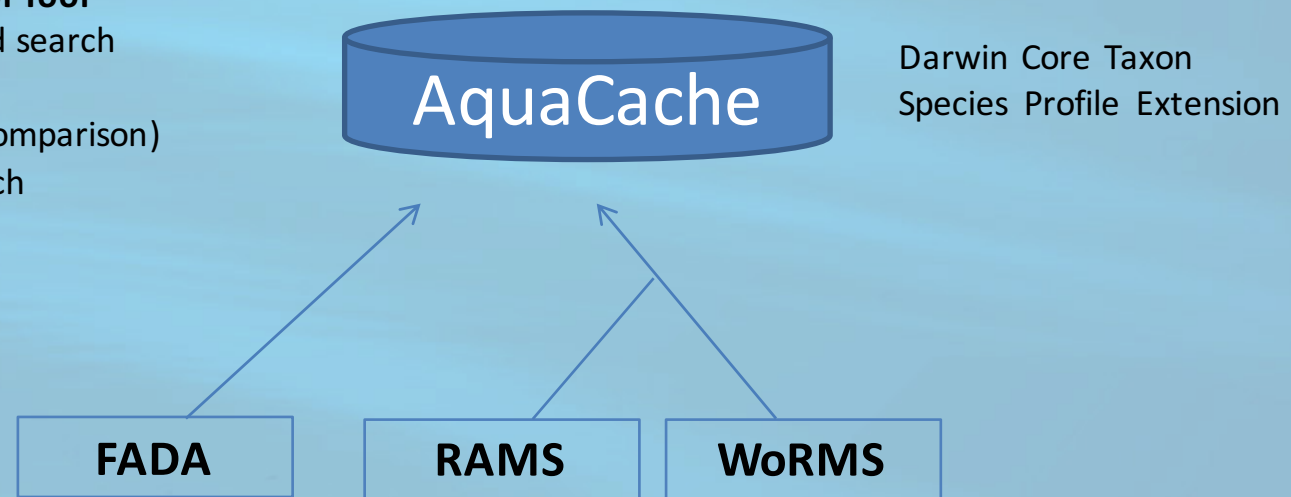
- **Development of an “AquaCache”**

AquaCache = management tool

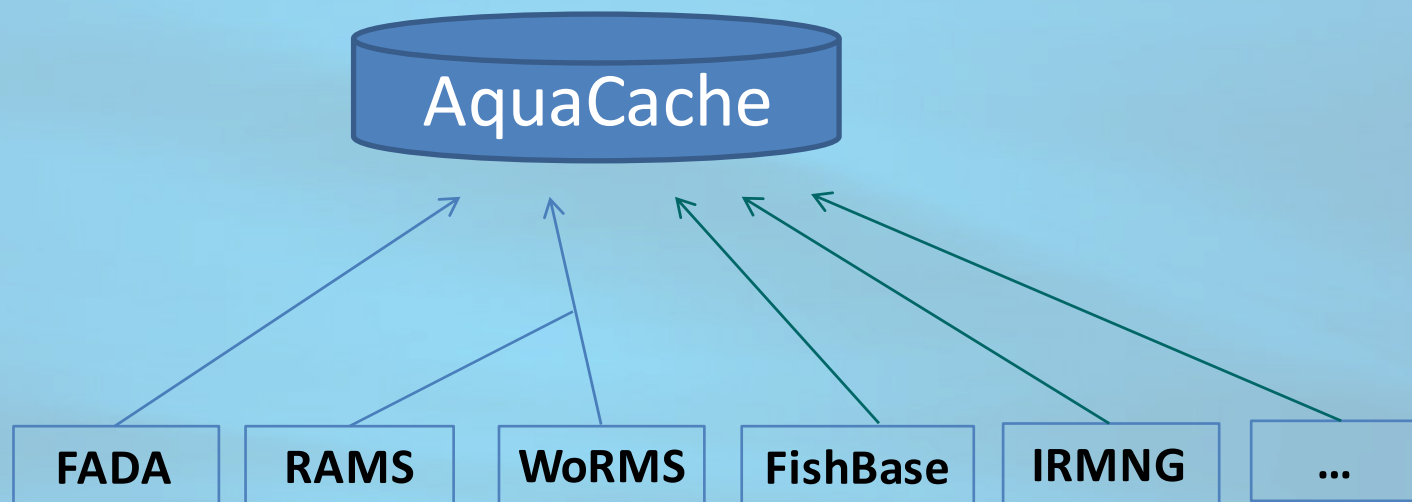
- Search taxa in all involved systems
- Compare higher classification between systems
- Import format: Darwin Core Taxon + SpeciesProfile extension
- Currently in testing phase

Quality Control Tool

- Aggregated search
- Statistics
- Analysis (comparison)
- Taxon match



- Possibilities towards the future



- <http://aquacache.lifewatch.be>

- **Currently check on:**
 - Scientific Name (NO authorship)
 - Rank
 - Classification (family – genus)
 - Status

- **Future checks:**
 - Environment
 - ... (to be discussed)