

Code lists for reporting

Standardized and well-managed code-lists for the water environment



What is the problem?

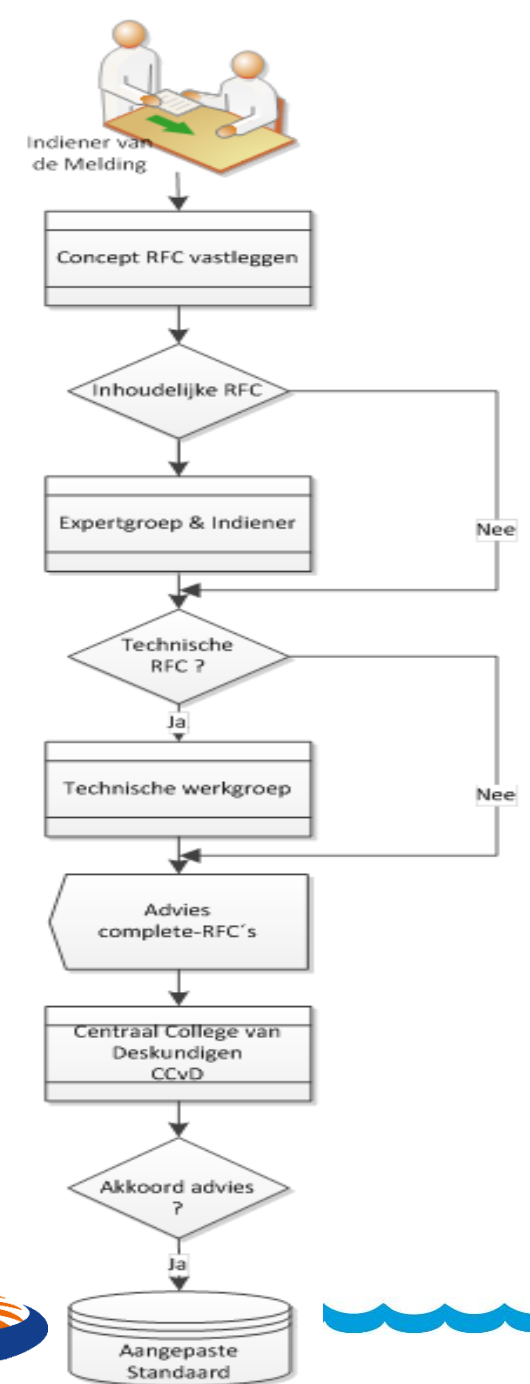
- Information models, the grammar of the semantic web are well standardised.
- You also need a vocabulary: code-lists.
- For reporting different, overlapping code lists must be used.
- For the current European monitoring data exchange we use many code-lists:
 - SDN/BODC (Seadatanet)
 - Reportnet /Eionet (MSFD/WFD reporting)
 - OSPAR (Oslo Paris convention)
 - ICES (international council for exploration of the seas)
 - TMAP
 - International river conventions (Rhine, Meuse, Scheldt, Ems, etc.)

wetter
νερό
水 uisce
ūdens akvo
eau
vanduo
agua vand
vesi
víz water
wasser
acqua вода
apă



The Aquo case

- Informatiehuis water: collaboration of all water management authorities.
- Management of the national **Aquo** standards.
- Standards for: water quality, water system, levees.
- Management: yearly procedure. *Apply or explain status.*
- Collaborations on geographic objects (the map), sewage systems, soil samples.
- We manage both information models and comprehensive code-lists.



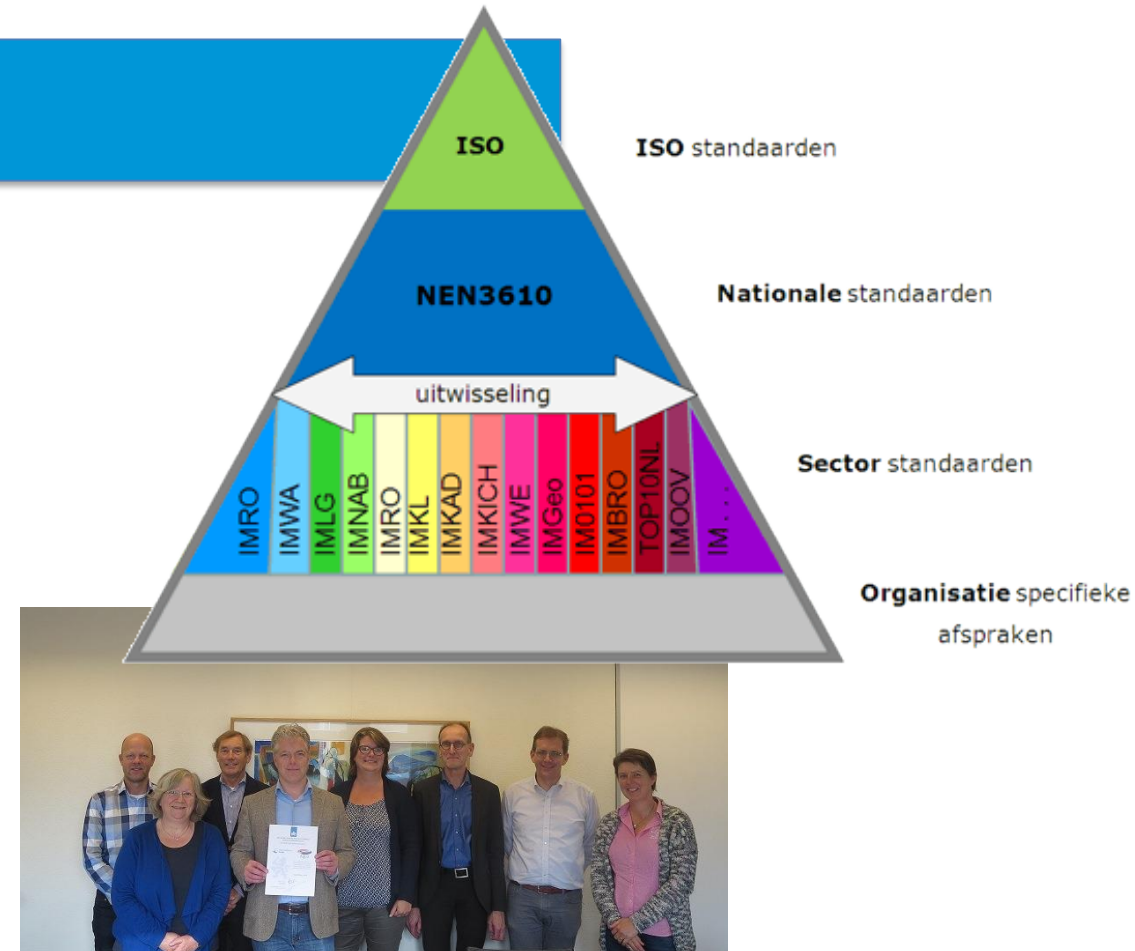
Workshop questions

- More about Aquo
- What are the experiences in your country?
 - Use of national thematic code-lists?
 - What authority manages these lists?
- Do we need harmonised code-lists?
 - Well, yes. Or not?
 - Does linked data make harmonisation obsolete?
- Governance: who is responsible?
 - What is the current situation?
 - Who maintains code lists? Let's map.
 - EU wide list of terms with national language versions?



More about Aquo

- National standards for information exchange: built on ISO In NL “apply or explain” standards are established by the *Forum for Standardisation*
- Aquo/IMWA is the standard for water management.
- Joint management by IHW and SIKB of the information model measurements.



Models and code-lists

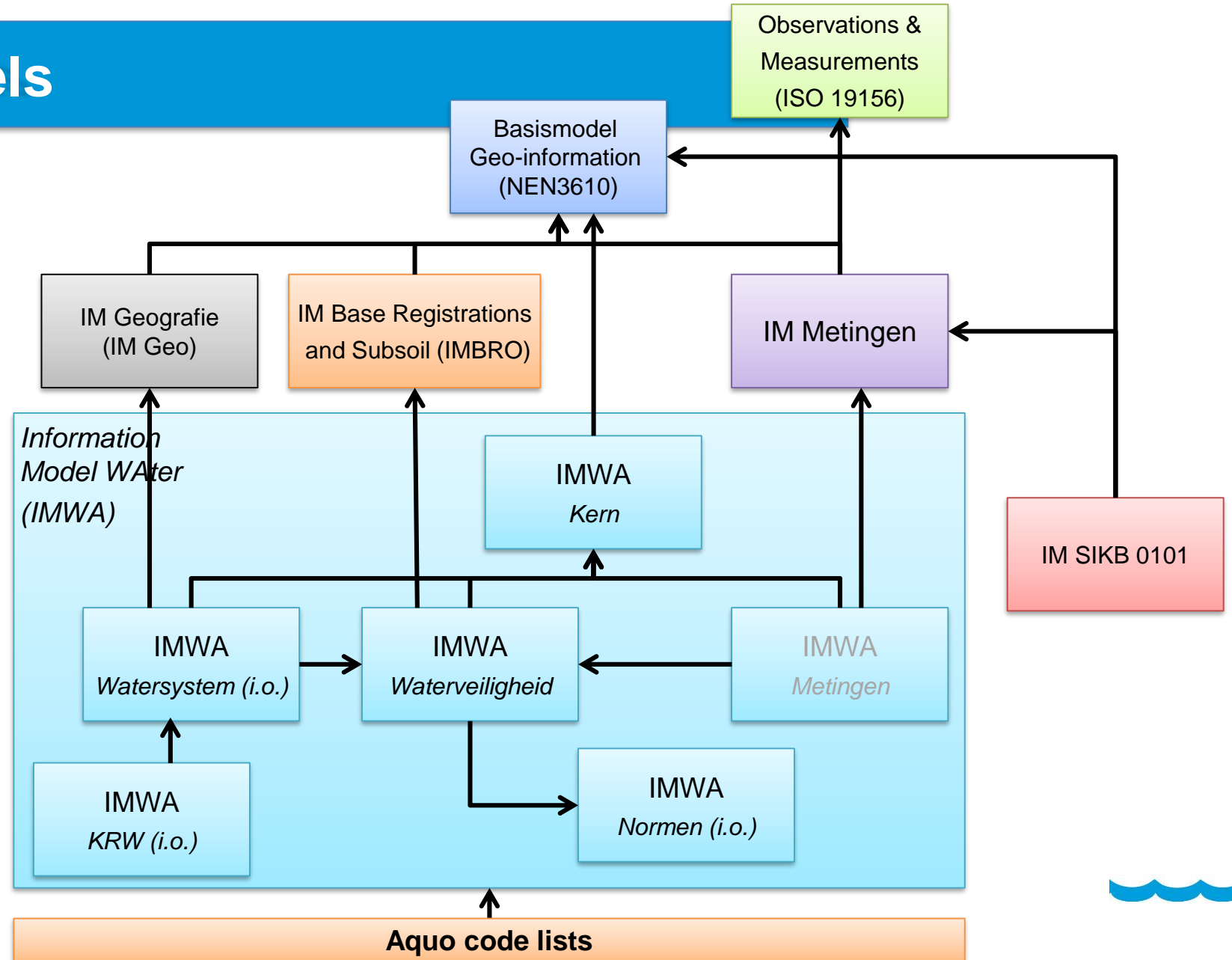
- In natural language we have grammar and vocabulary, both are standardised.
- Likewise we need uniform standards on information models (our grammar) and code-lists (our vocabulary)
- Standardisation of code-lists not as rigorous as standardisation op models.

Code	Omschrijving
1112T4ClC2a	1,1,1,2-tetrachloorethaan
111TCIC2a	1,1,1-trichloorethaan
111TCITol	1,1,1-trichloortolueen
1122T4ClC2a	1,1,2,2-tetrachloorethaan
112TCIC2a	1,1,2-trichloorethaan
112TCIC3a	1,1,2-trichloorpropaan
11DBrC2a	1,1-dibroomethaan
11DC1yC2y2C1	1,1-dimethylethyl-2-methoxyfenol
11DC1yhdzne	1,1-dimethylhydrazine
11DClC2a	1,1-dichloorethaan
11DClC2e	1,1-dichlooretheen
11DClC3a	1,1-dichloorpropaan
11DClC3e	1,1-dichloorpropeen
11n9cbxd9THC	11-nor-9-carboxy-delta-9-tetrahydro
122TCIC3a	1,2,2-trichloorpropaan
123456Hxtpne	1,2,3,4,5,6-hexathiepane
1234577HpClb	1,2,3,4,5,7,7-heptachloor-bicyclo(2,2,1)
1234T4C1yBen	1,2,3,4-tetramethylbenzeen
1234T4ClBen	1,2,3,4-tetrachloorbenzeen
1234T4HNaf	1,2,3,4-tetrahydronaftaleen
1235T4C1yBen	1,2,3,5-tetramethylbenzeen
1235T4Cl46DC	1,2,3,5-tetrachloor-4,6-dimethylbenz
1235T4ClBen	1,2,3,5-tetrachloorbenzeen
123TC1yBen	1,2,3-trimethylbenzeen
123TCIBen	1,2,3-trichloorbenzeen
123TCIC3a	1,2,3-trichloorpropaan



Aquo models

Aquo extends other models.
We standardise on common models where possible.
Common code lists are used in all models.



Code lists

- IHW manages code lists for all parameters in the models including chemical compounds, units, etc.
- Yearly procedure is the same for model changes and code list changes:
 - Expert groups on different themes (water quality, systems)
 - Technical group on implementation issues
 - Both advise the Board of Experts, the Board decides.
- *A model is complete only with a full set of code lists.*
- *Who should manage the code-lists: Inspire or another EU authority?*



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