

Cooperative Software Development Possibilities for FADN?

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Background

- each member state develops its' own software (some don't even have).
- candidate countries struggle with the development of software for FADN.
- substantial budgets required for development and maintenance
- availability of IT people required to maintain systems
- in case of changes in requirements (e.g. changes 2014) all countries have to adapt their systems
- in many countries budgets get tighter because of economic situation



Background (2)

- Large differences in organisational setup
 - Ministry or (Reserch) Institute as Liaison agent
 - Data collection by accounting offices, advisory services or by 'own' data collectors
 - Differences in national use of data and therefore committment of policy makers.
 - Differences in amount of data collected (EU requirements or additional data collection for national purposes)



Two types of collaboration

- Open Source Development
- Partnership

Pro's and Con's

Advantages:

- Sharing of development and maintenances costs (and risks) with partners
- Stop reinventing the wheel
- Create a (larger) pool of software engineers (and involved users)

Pro's and Con's

Pitfalls

- Diminished control over issues
- Lack of hierarchy: who decides what?
- Processes of coordination are affected by distance and number of partners (overhead, delays).
- Differences in 'culture'
- Relationships, Trust, Accountability

Potential Difficulties

- Prospective partners are in different stages of the their current system's life cycle.
- Big differences in expected functionality



Conditions

- (Partial) agreement on objectives and requirements
- Shared (but customizable) data model and domain model
- Modular design
- Granularity: even modules must be customizable
- Agreement of platform, technology, (software development) methodology, 'governance', and ... investment
- 'Critical mass'
- Best of breed -> but



A Day in 2020

<http://www.youtube.com/watch?v=ozLaklIFWUI>

or

<http://www.youtube.com/watch?v=OptqxagZDfM>



Questions, Remarks?

Thank you!

