CP-SETIS

towards Cyber–Physical Systems
Engineering Tools Interoperability
Standardisation
IOS is up and running, but ...

- **IOS scope** is huge
  - Most stakeholders only interested in some parts of the IOS
  - Yet, many parts needed for complete Engineering Environments
  - Coordinated effort needed for extensions and standardisation

- **No central IOS repository exists**
  - Information and technical specifications are distributed
  - and only partially available to the community
  - Contact points?
  - Experts?

- **Many projects exist**
  - which are only partially aware of each other
  - Uncoordinated and sometimes unnecessary efforts

- **There is no real IOS eco-system resp. IOS community**
  - Currently based on projects (wrt. comprising partners and lifetime)
Setup by CP–SETIS:
IOS Coordination Forum – ICF

Sustainable, beyond the lifetime of a single project
 Implemented within existing, trusted structures
 Open for all stakeholders

Incubate new projects
Provide method for sustainable achievement of project results

All information in one place:
technical specifications, maturity levels, documentation, contact points, experts…

Sustainable Structure as a Forum (Platform) for all Stakeholders to Coordinate Activities

Enable coordinated, goal-oriented standardisation

Standardisation Body 1
Standardisation Body 2
Standardisation Body ...
CP–SETIS: Status

• Definition of ICF, its assets, activities, and roles finished

• Now
  
  – Setup of first version of IOS database
  
  – In parallel: Find suitable host structure and implement ICF
Implementing ICF
Host Structure Short List

• After an initial evaluation of potential hosts, the following short list (alphabetical) was created
  – ARTEMIS–IA
  – EICOSE
  – OASIS
  – (N.B.: list is not necessarily exhaustive)

• Follow up activities:
  – Negotiate with potential hosts to find best-fit embedding
Stakeholder benefits I

- Use ICF as an independent, neutral forum, to meet other stakeholders at eye level
- Find all IOS related information in one place
  - current baseline/snapshot of IOS
  - new extensions
  - standardisation activities
- Find allies, i.e., for standardisation activities and project incubation
- Find IOS experts to help you in adoption of IOS
- Extend and shape those parts of the IOS that are of interest to you according to your needs
  - Extensions
  - Further developments/concretization of existing parts
  - Increase maturity of parts
Stakeholder benefits II

• Be able to guarantee sustainability and accessibility for your IOS related project results
  – by bringing them into ICF, where they are stored and publically available
  – advertise about them

• Efficiently standardize parts of the IOS

• At all times, be able to focus on those parts of the IOS, that are actually of interest to you and your company, while being aware of all IOS related activities
CP-SETIS Fact Sheet

Coordinator:

Core-Partners:

Associated Partners:

Duration: 01.03.2015 - 28.02.2017
Funding by: Horizon 2020, Call ICT-1

Jürgen Niehaus
CRYSTAL Final Dissemination Event
16/06/2016

Funded by the European Union