



Advancing eHealth  
Interoperability

Handover Workshop  
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*Refinement of eHealth European Interoperability Framework*

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- Introduction
- Lessons learned
- Recommendations
- Opportunities for adoption
- Conclusions



- Goal: work out a refined eHealth European Interoperability Framework
- Antilope offers an elaborate set of use cases, a template for the description of use cases, a glossary of interoperability terms and definitions, and a refined model for interoperability levels
- These use cases are linked to standards and profiles, providing the opportunity to test and quality label the standardised components of a software solution, on a European scale



- Antilope deliverables
  - Have been viewed by many as being practical, useful and applicable
  - Can be used on European, national/regional and local scale
  - Use case based adoption...
- Adoption of results
  - Countries are working on the same use cases and have given valuable input to their refinement and elaboration
  - Some countries have already adopted (and translated) the refined interoperability model



- Use the Antilope use cases as a starting point for your interoperability projects
- Use the templates for the structured description of use cases and realisation scenarios
- Use the layered structure of the refined eEIF interoperability model in your interoperability projects
- Results from Antilope should be handed over to new projects, but should actually be maintained in a more robust and permanent way
- Somebody, in another country, is doing the same thing as you are. Find out who!
- Use the Antilope deliverables as much as possible :-)



On offer:

1. A set of well defined and recognised Use Cases, linking to IHE and CHA profiles
2. Templates for description of use cases and realisation scenarios (to add new use cases to the existing set)
3. Refined eHealth European Interoperability Framework
4. Antilope eEIF Interoperability model
5. Glossary of interoperability terms



# Antilope Use Cases

| # | Medical domain                    | Description   | Scale  |
|---|-----------------------------------|---|--|
| 1 | Medication                        | e-Prescription and e-Dispensing   | 1a) Cross-border<br>1b) National/Regional<br>1c) Intra-hospital<br>1d) Citizens at home                                  |
| 2 | Radiology                         | Request and results sharing workflow for radiology                                    | 2a) National/Regional<br>2b) Intra-hospital  |
| 3 | Laboratory                        | Request and results sharing workflow for laboratory                                   | 3a) National/Regional<br>3b) Intra-Hospital  |
| 4 | Patient Summary                   | Patient Summary sharing   | 4a) Cross-border<br>4b) National/regional<br>4c) Citizens at home  |
| 5 | Referral- and Discharge reporting | Cross-enterprise Referral and Discharge Reporting                                     | National /Regional<br>5a) Referral of patient from primary to secondary care<br>5b) Discharge report from secondary care |
| 6 | Participatory healthcare          | Involvement by chronic patients in electronic documentation of healthcare information | Citizens at home   |
| 7 | Telemonitoring                    | Remote monitoring and care of people at home or on the move using sensor devices      | Citizens at home   |
| 8 | Multidisciplinary consultation    | Medical Board Review  | National/Regional  |

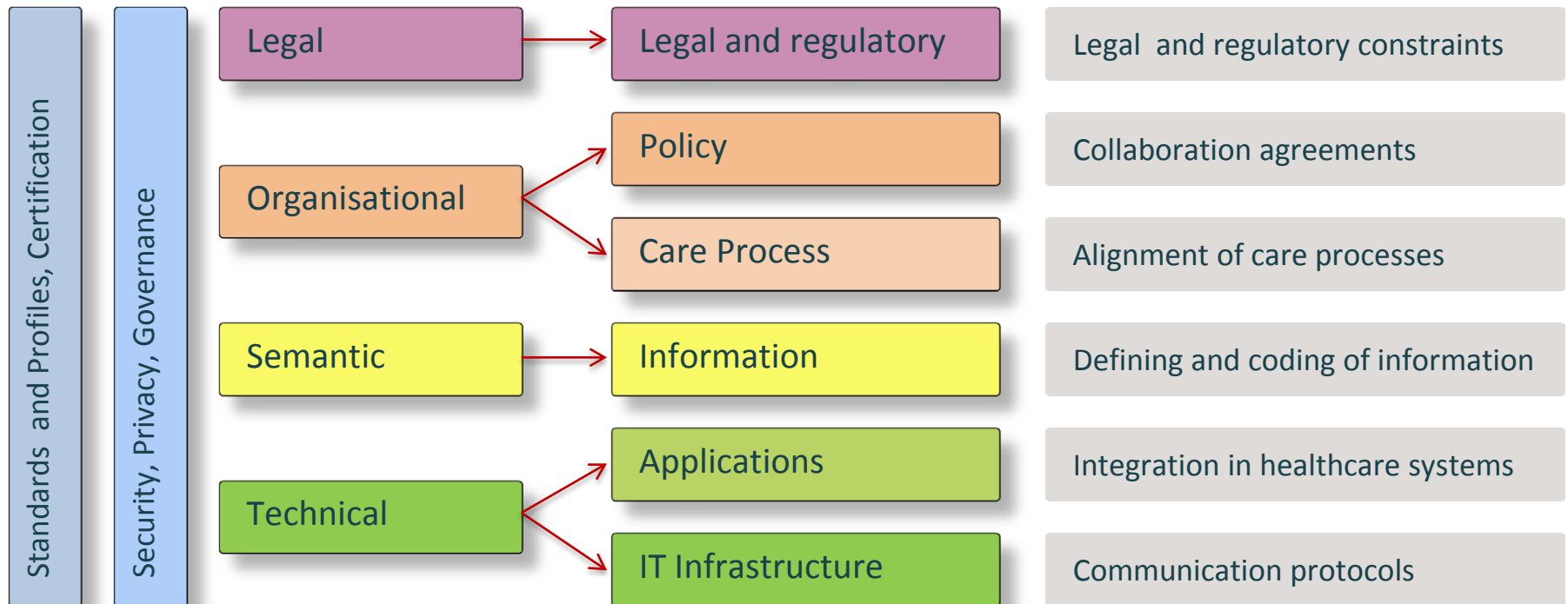


|                          |   |
|--------------------------|---|
| Title                    | (Number and) Name of the Use Case   |
| Purpose                  | The Purpose describes the main functionality of the use case – what is it, what does it do?   |
| Relevance                | The Relevance explains the “why” of the Use Case. It describes the rationale of the Use Case: both medical (what problem does it solve?) and economical (business case, costs and benefits)   |
| Domain                   | The functional domain of the Use Case. For the Antilope project, the following domains have been used: <ul style="list-style-type: none"> <li>• Medication</li> <li>• Radiology</li> <li>• Laboratory</li> <li>• Patient Summary</li> <li>• Referral and Discharge Reporting</li> <li>• Participatory healthcare</li> <li>• Telemonitoring</li> <li>• Multidisciplinary consultation</li> </ul> |
| Scale                    | Organisational dimensions of the Use. The following scales have been defined for the Antilope Use Cases: <ul style="list-style-type: none"> <li>• Cross-border</li> <li>• National/Regional</li> <li>• Intra-organisational</li> <li>• Citizens at home and on the move</li> </ul>  |
| Context                  | Describes relevant aspects and influencing factors on the non-technical level   |
| Information              | High-level description of what type of information is shared, like “patient summary” or “medication prescription”   |
| Participants             | List of the main participants in the process. These can be individuals or organisational units. They are real-world parties.  |
| Functional process steps | Real-world, functional description of a sequence of interactions between the participants in the different interaction steps of a process   |



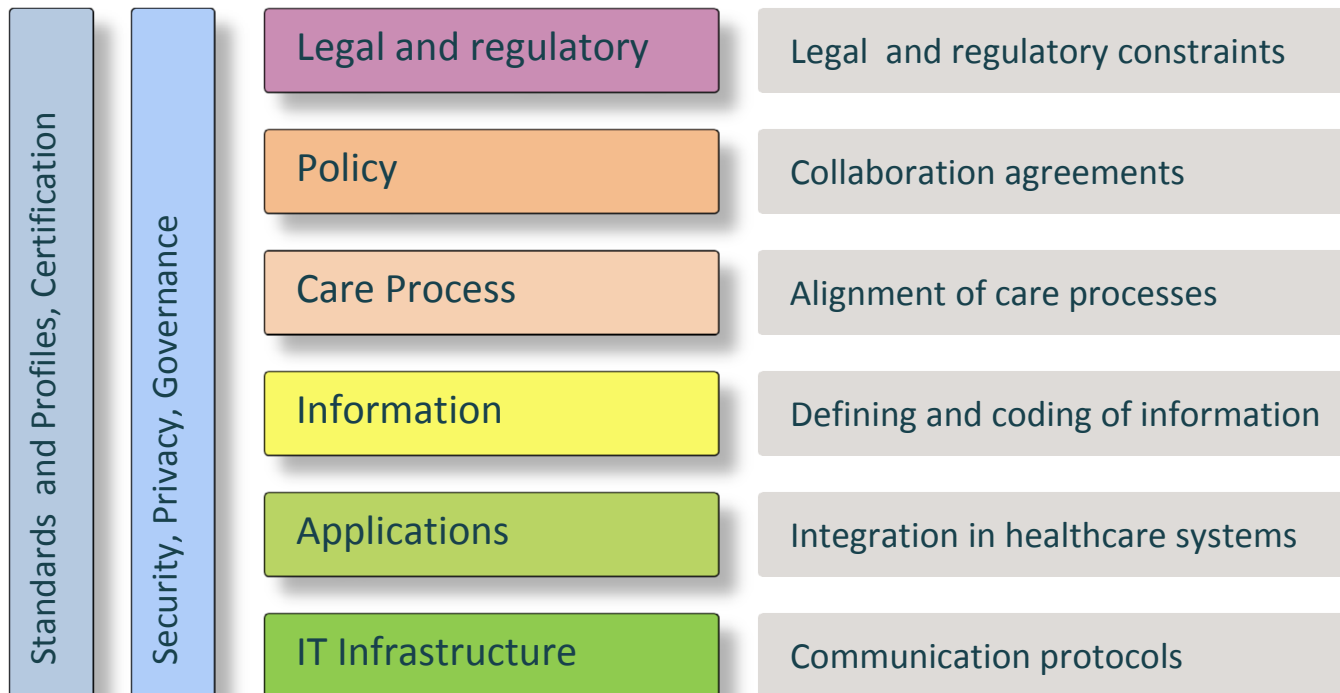


- ✓ Builds upon the current eEIF model
- ✓ Reflects organisational / functional levels
- ✓ Avoids technical terms



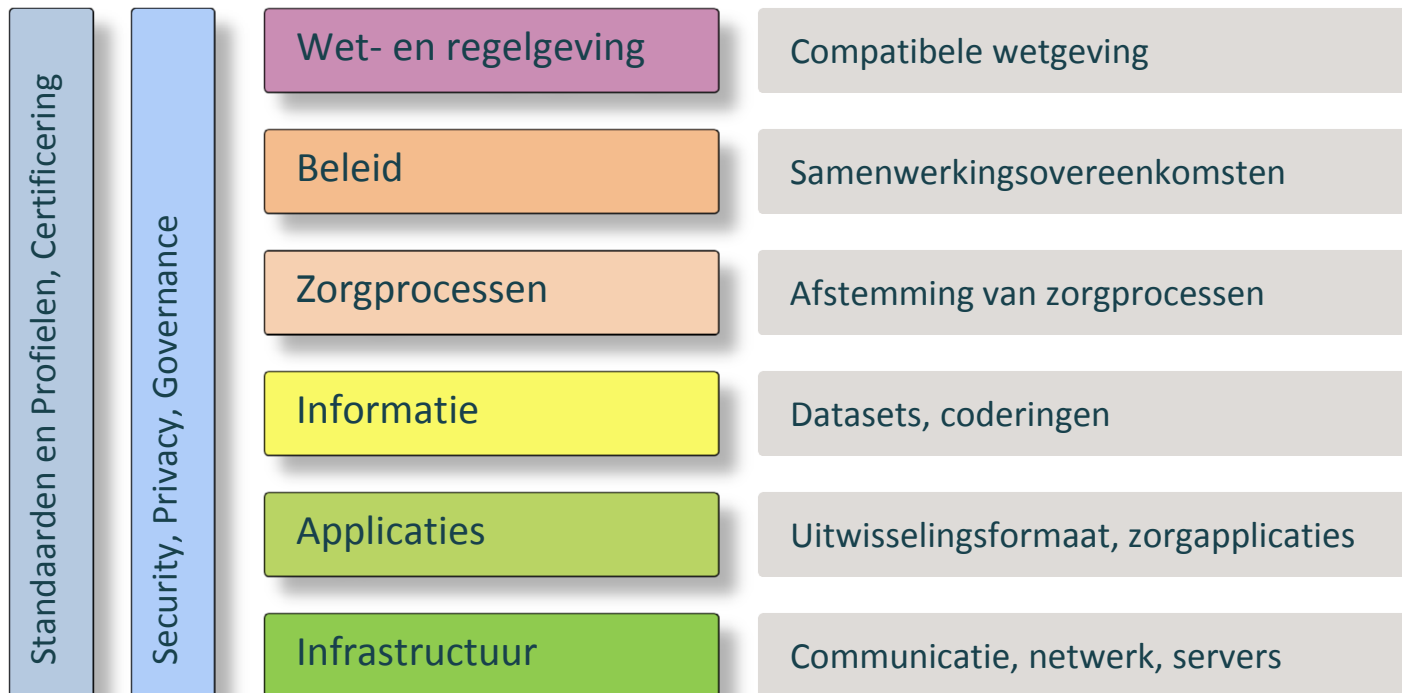


✓ English





✓ Dutch





✓ Danish





✓ Portuguese





- The Antilope Use Cases can be used as practical starting points for national/regional eHealth projects
- The Antilope interoperability model is useful for conveying the concept of interoperability to all stakeholders
- The templates provided should be used for the description of new use cases
- The Antilope framework can be used in the real world.



All Antilope deliverables are  
available on the Antilope website:  
<http://www.antilope-project.eu/resources/>