

CIMI Communication Platforms

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- Senior software developer at Portavita
- Member of Dutch DCM Quality Center NEN (Dutch chapter ISO)
- EU FP7 COMMODITY12 Project member



Activity in cooperation with EU

- For the EU FP7 project COMMODITY12 we are producing a Clinical Model Repository/Catalogue
- Contribution by EU through Contract no 287841
- Goal: to converge standardization activities and support international initiatives

COMMODITY12 aims to design, build, and validate an intelligent system for the analysis of multi-parametric medical data. It will uptake the existing cutting-edge technologies and extend these technologies by combining state-of-the-art networks, software interoperability, and artificial intelligence techniques in order to realize the concept of translational medicine by means of a Personal Health System.



Website: current status

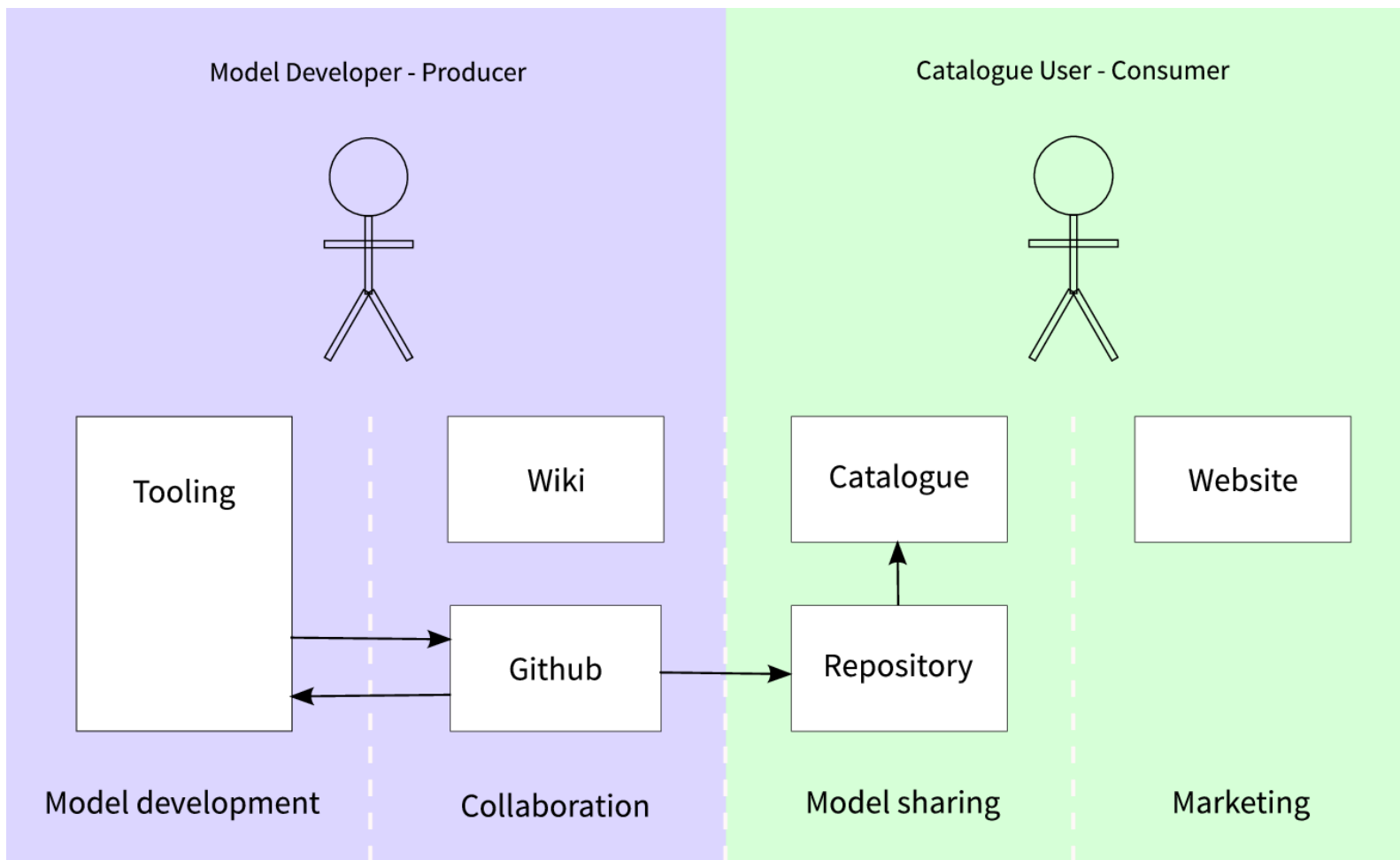
- Located cimiproject.org
- Setup complete and functional
- Not public yet
- Powered by Drupal CMF
- Content management by CIMI (Sarah Ryan)
- Technical administration: Pieter Spoelstra
(p.spoelstra@portavita.eu)
- Servers maintained by Portavita

Website: open questions

- Content management
- Website content vs. wiki content
- Changes needed in setup

Communication platforms

- Website
- Github
- Wiki
- Catalogue
- Repository



Website

Goal: marketing

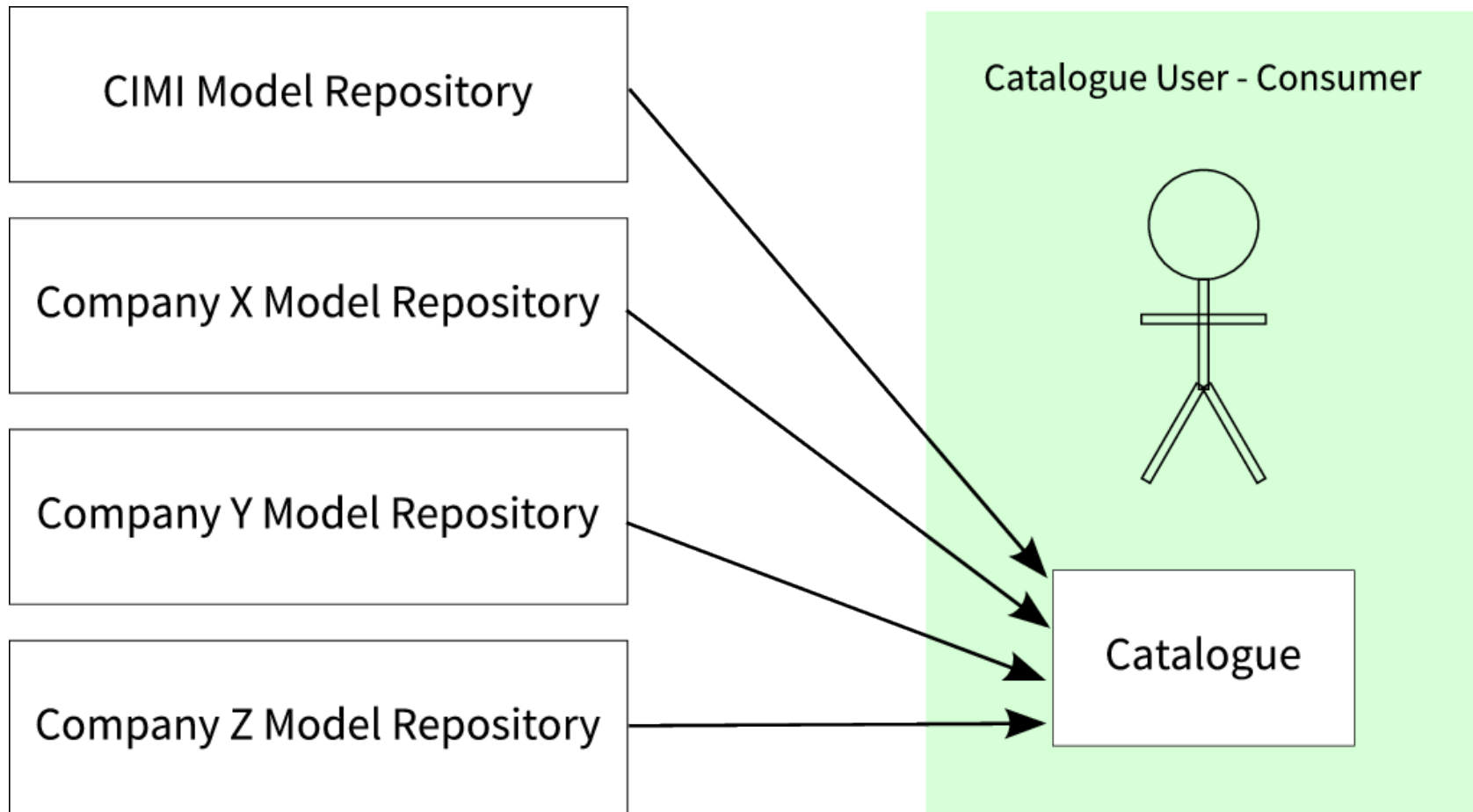
- Audience:
 - Health care delivery organizations
 - Professional bodies
 - Governmental bodies
- Maintenance:
 - CIMI (Sarah Ryan, Pieter Spoelstra)
- Contents:
 - info about CIMI: goals, members, repository, catalogue

Catalogue

Goal: provide an index of available models

- Audience:
 - Health IT users
 - Health IT suppliers
- Governance:
 - CIMI
- Contents:
 - CIMI models: metadata & references
 - Other models: metadata & references

Catalogue: multiple repositories?



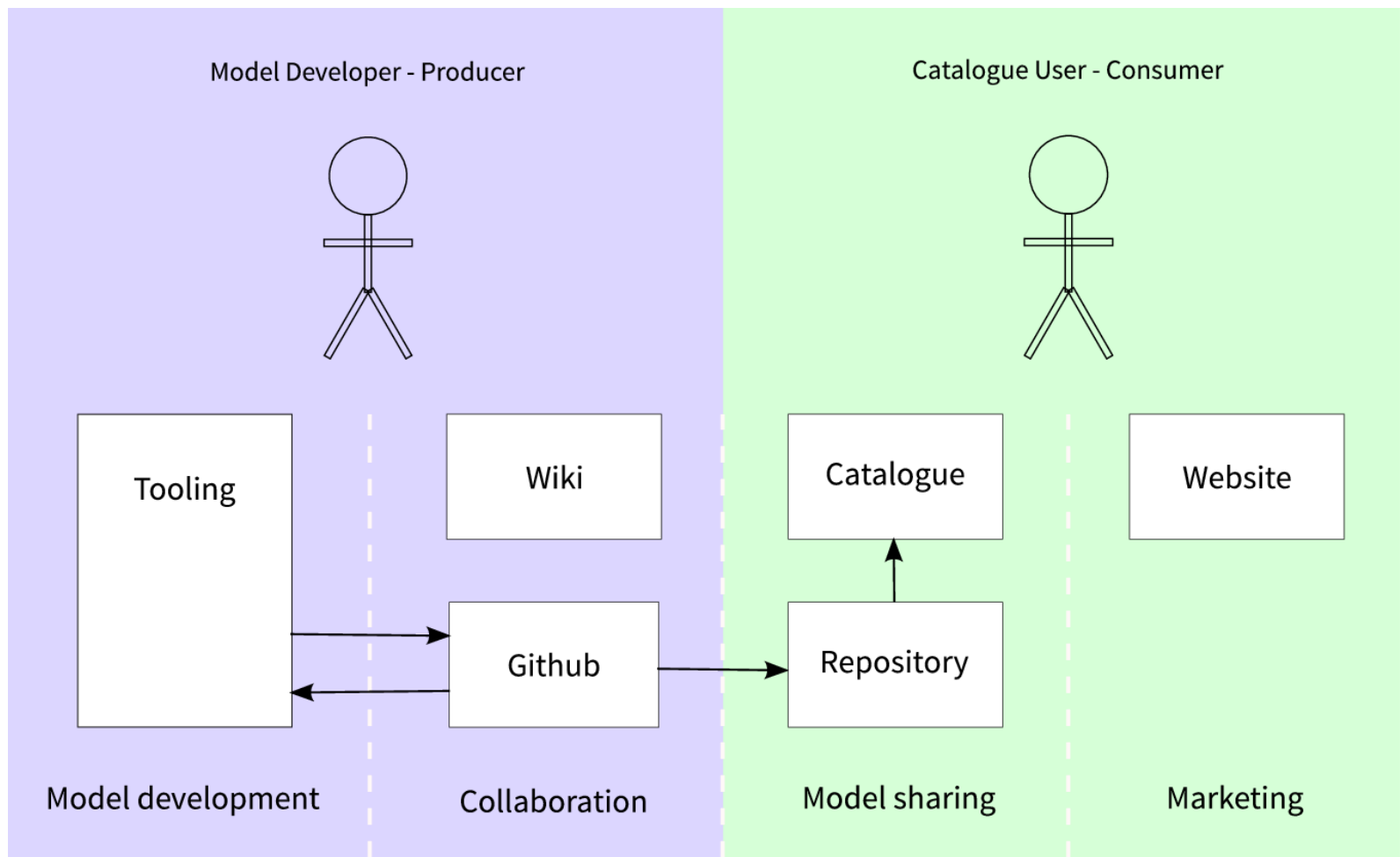
Repository

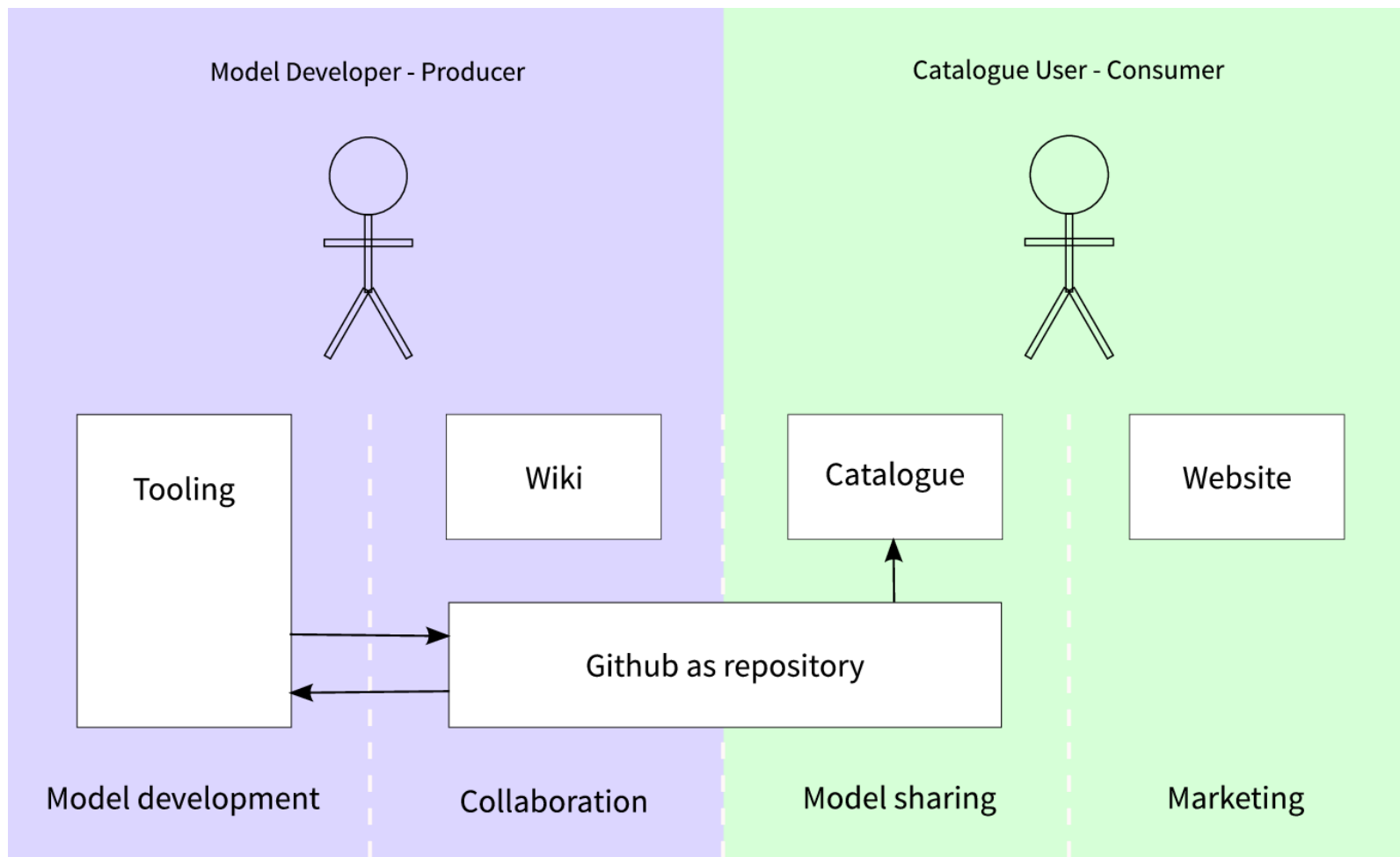
Goal: reliably make models available

- Audience:
 - Software systems
- Governance:
 - CIMI
 - ...
- Contents:
 - complete models

Github

- Goal: collaborate in model development
- Audience:
 - model developers
 - software systems
- Governance:
 - CIMI
- Contents:
 - complete models
 - change management
 - issue tracking





Catalogue

Metadata definition

- Metadata loosely defined: drupal
- Metadata formally defined: MDR

Metadata registry:

- XML database
- ISO 11179

Catalogue

Open questions:

- Allow multiple repositories?
- Formalization of metadata
- Different sets of metadata
- Requirements & priority
- Handling changes in requirements
- Visualizations, CKM?