

High Level Architecture

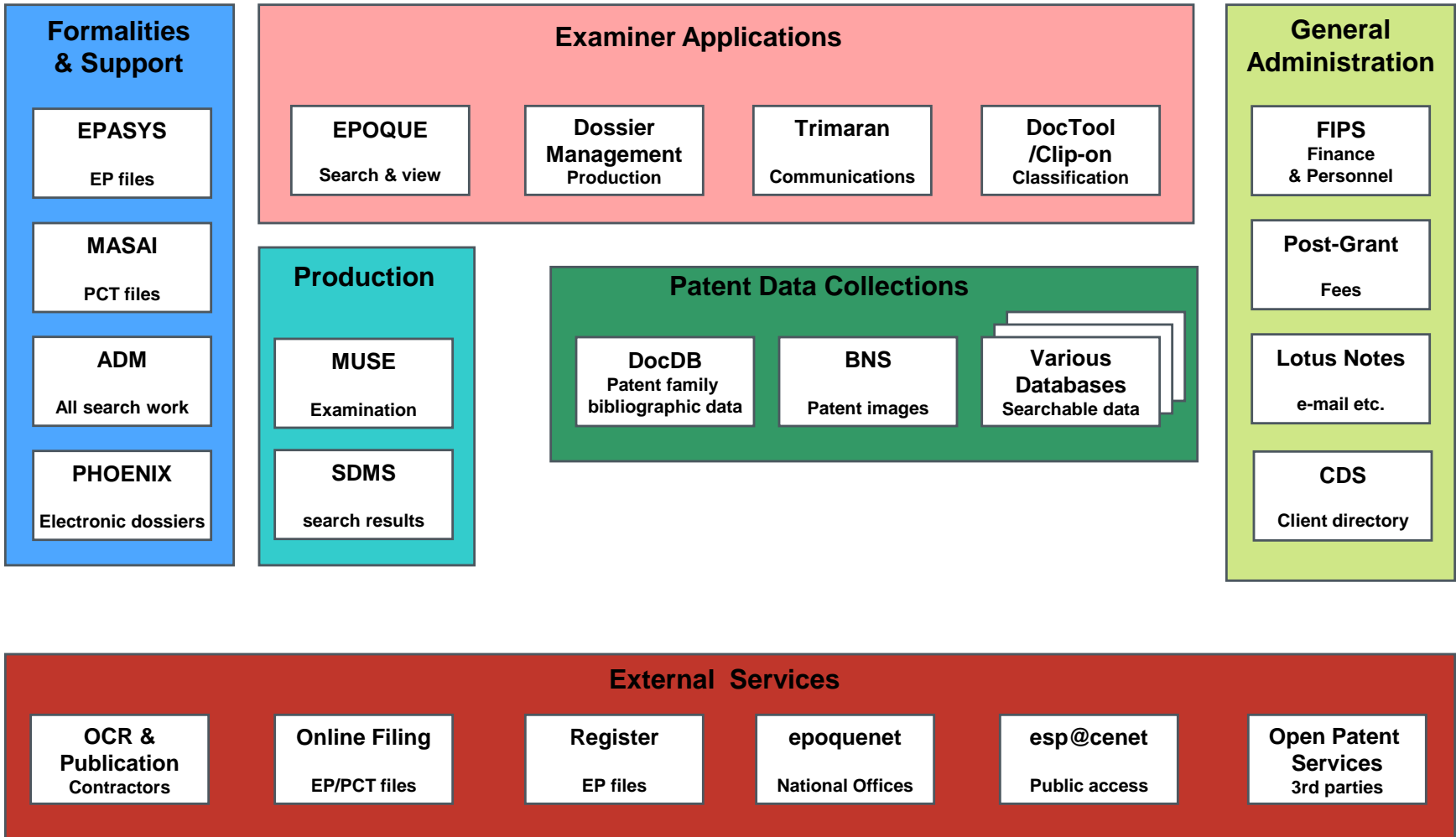


Guido Szamocki

Workshop with ROSPATENT
20-22 May 2010



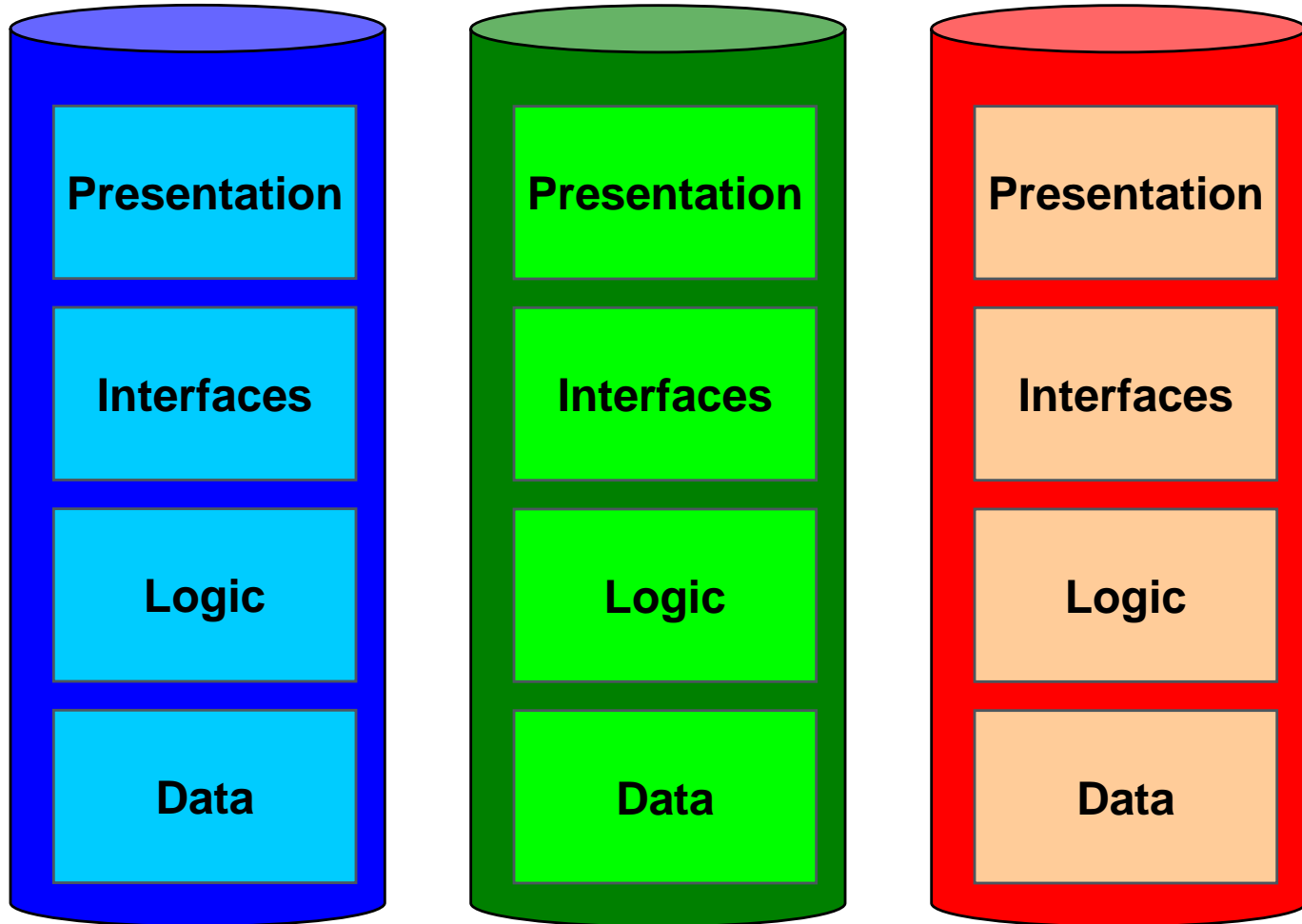
Current system set



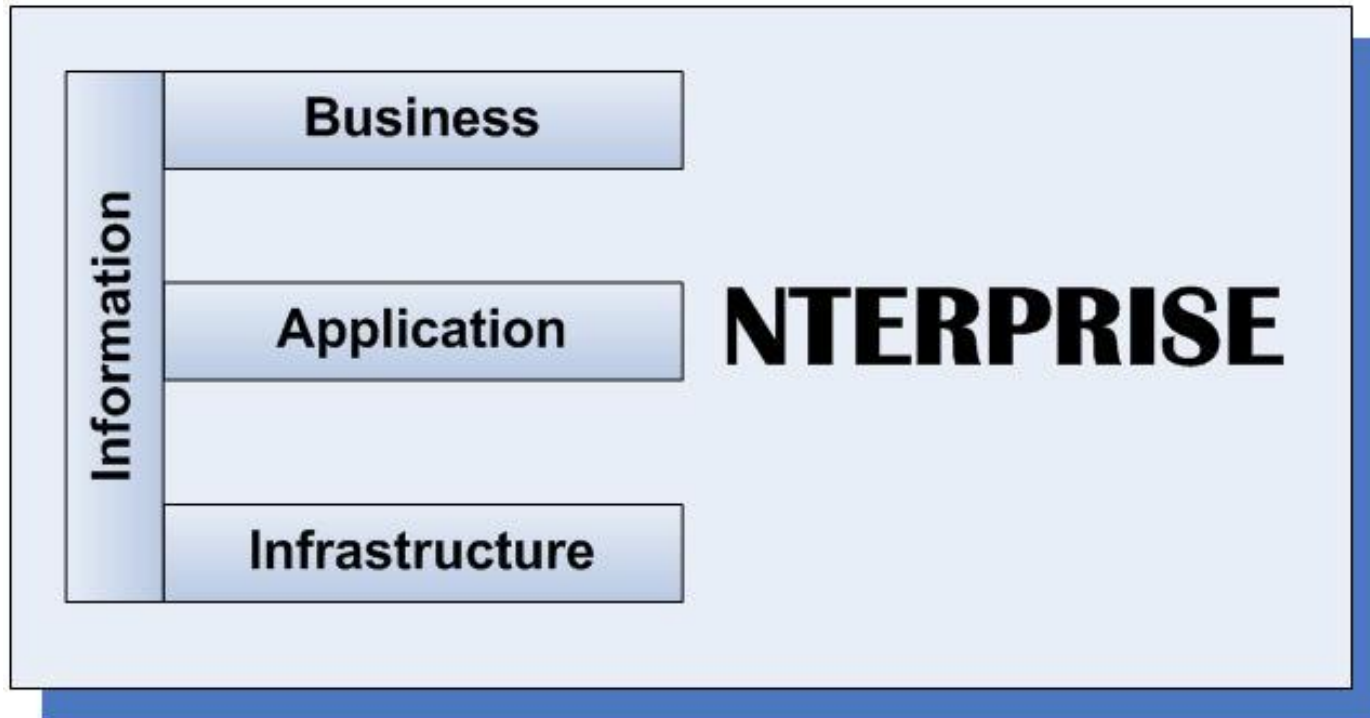
Each system is self-contained

EPASYS EP files	Management of European Patents
MASAI PCT files	Management of PCT (Chapter I and Chapter II)
ADM All search work	Management of search work (EP, PCT, National)
PHOENIX Electronic dossiers	Electronic dossier management
EPOQUE Search & view	Examiners search tools
Trimaran Communications	Writing of search reports and examiners' communications
esp@cenet Public access	Public internet access to all patent documents

Applications are independent and built in 'silos'

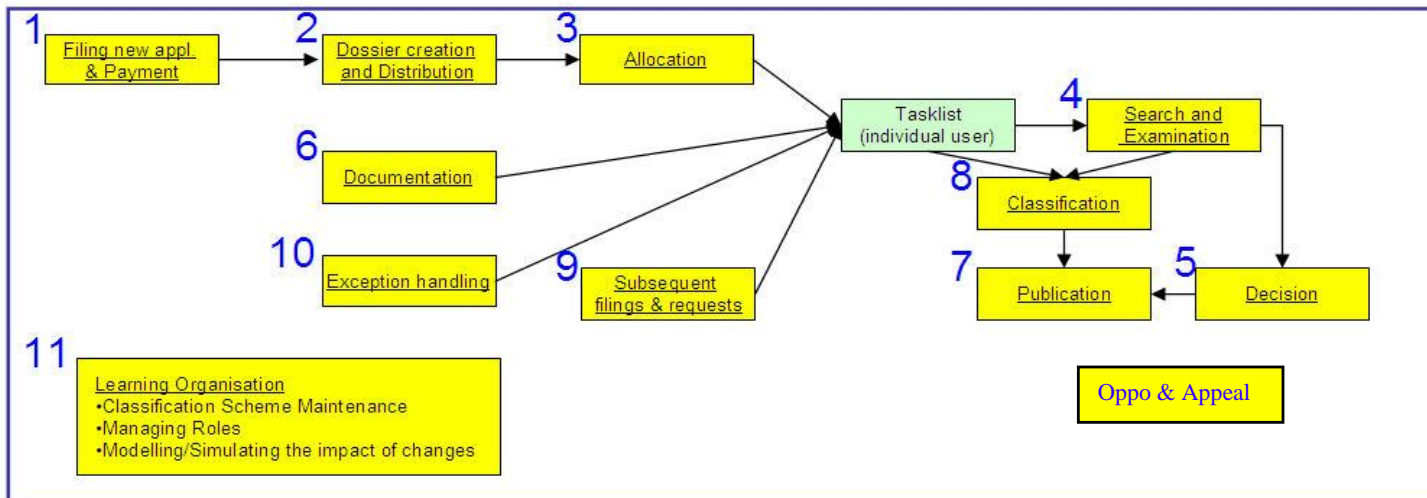


High-Level Architecture (HLA)



Business Architecture

Note: this represents the single SOLL process applicable to all EP, PCT and NO application processing

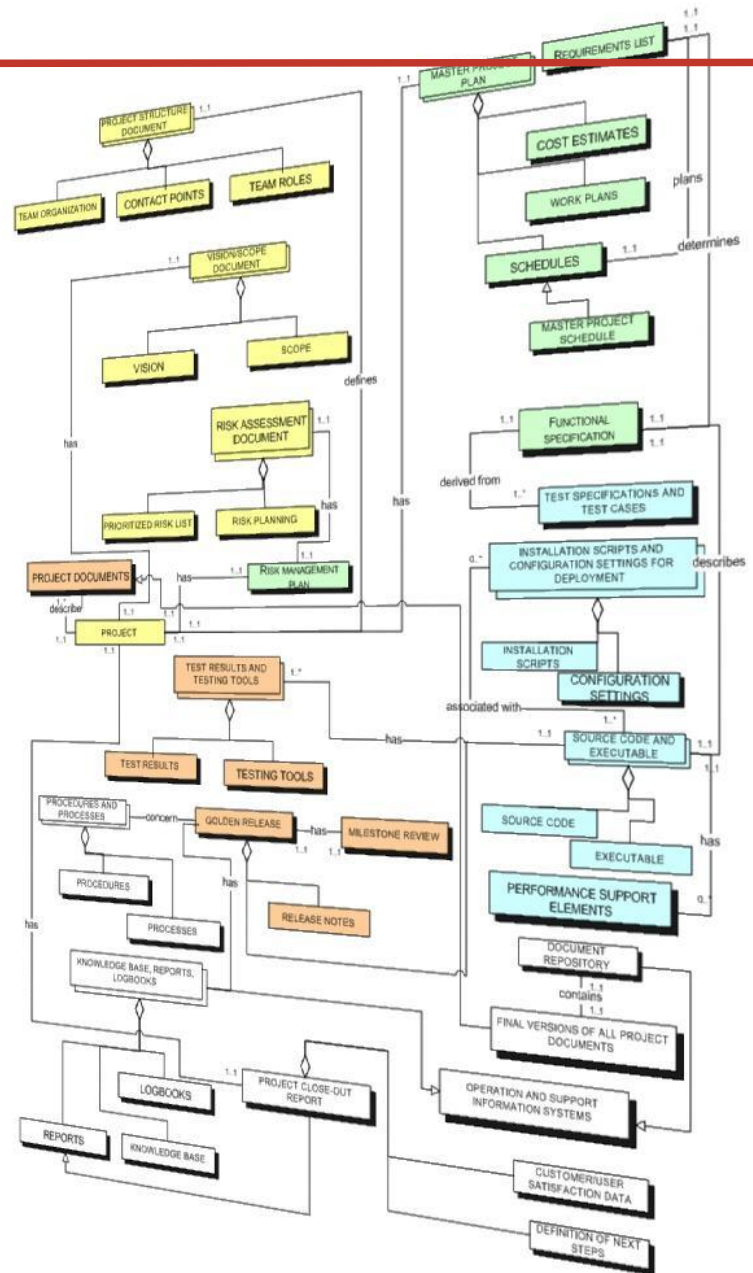


Information Architecture

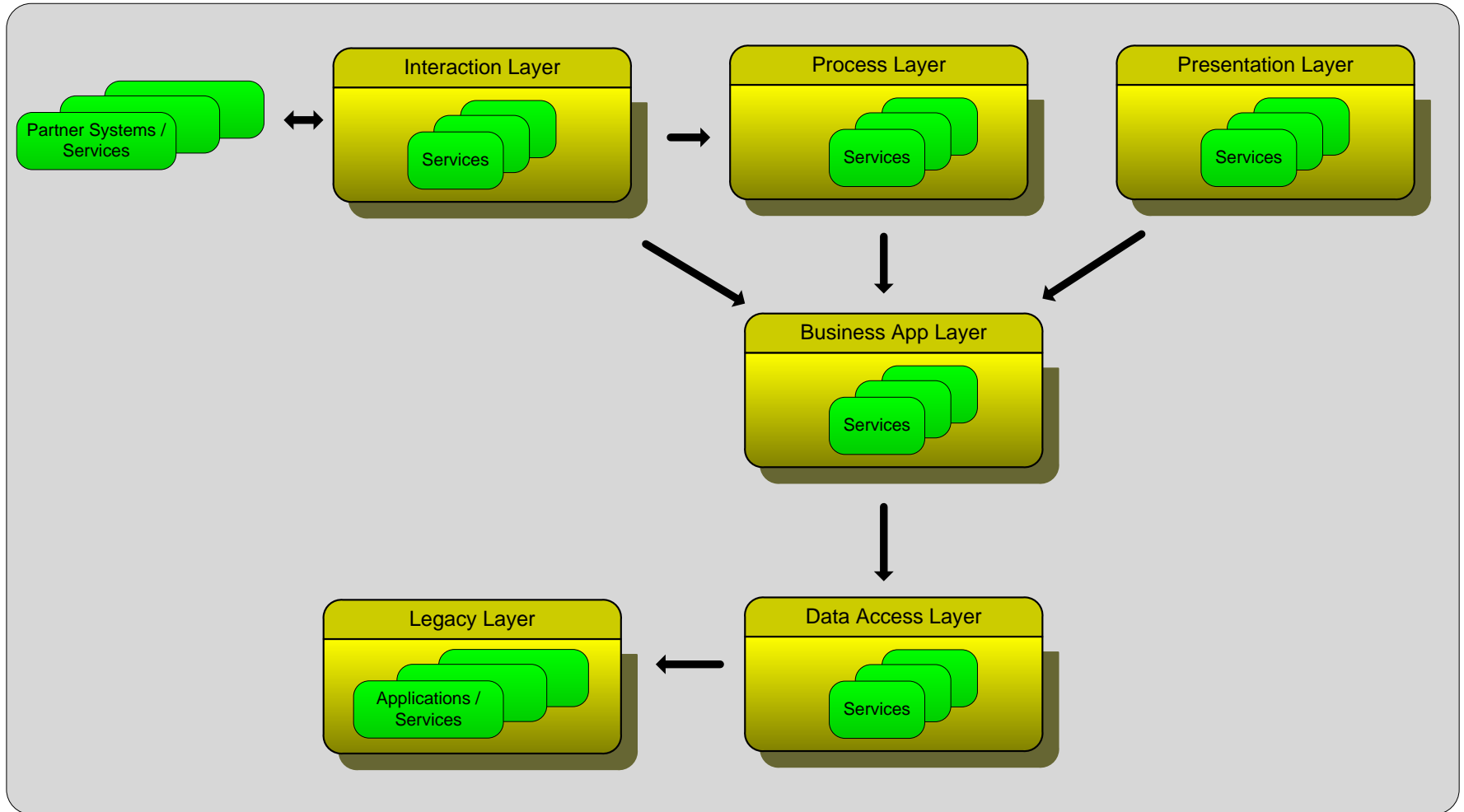
One logical data model, split into information domains:

- dossier
- collection
- social
- user/staff/account
- meta-data
- [...]

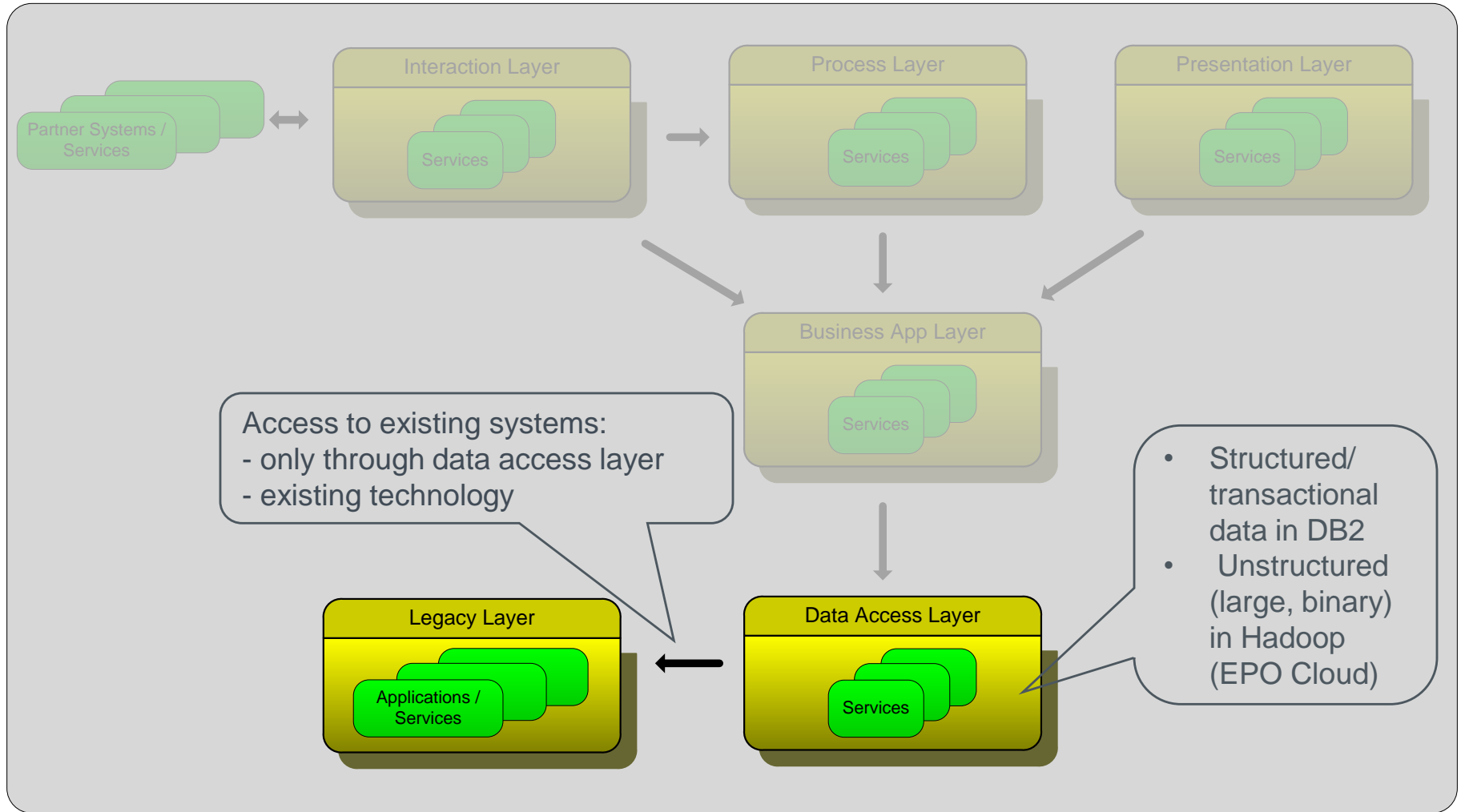
Detailed analysis of these domains mainly in the e-dossier project



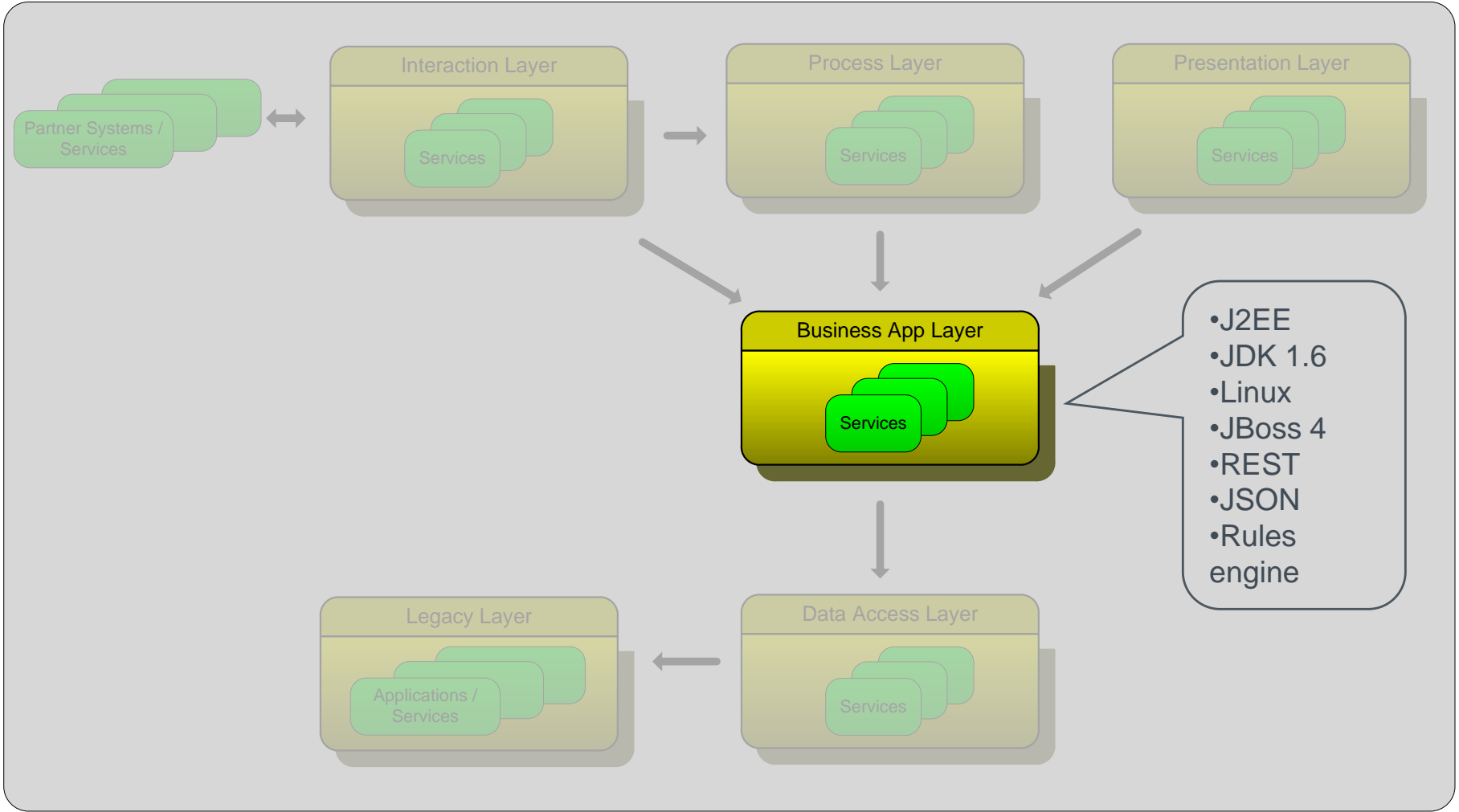
Application Architecture: Service-Oriented Architecture



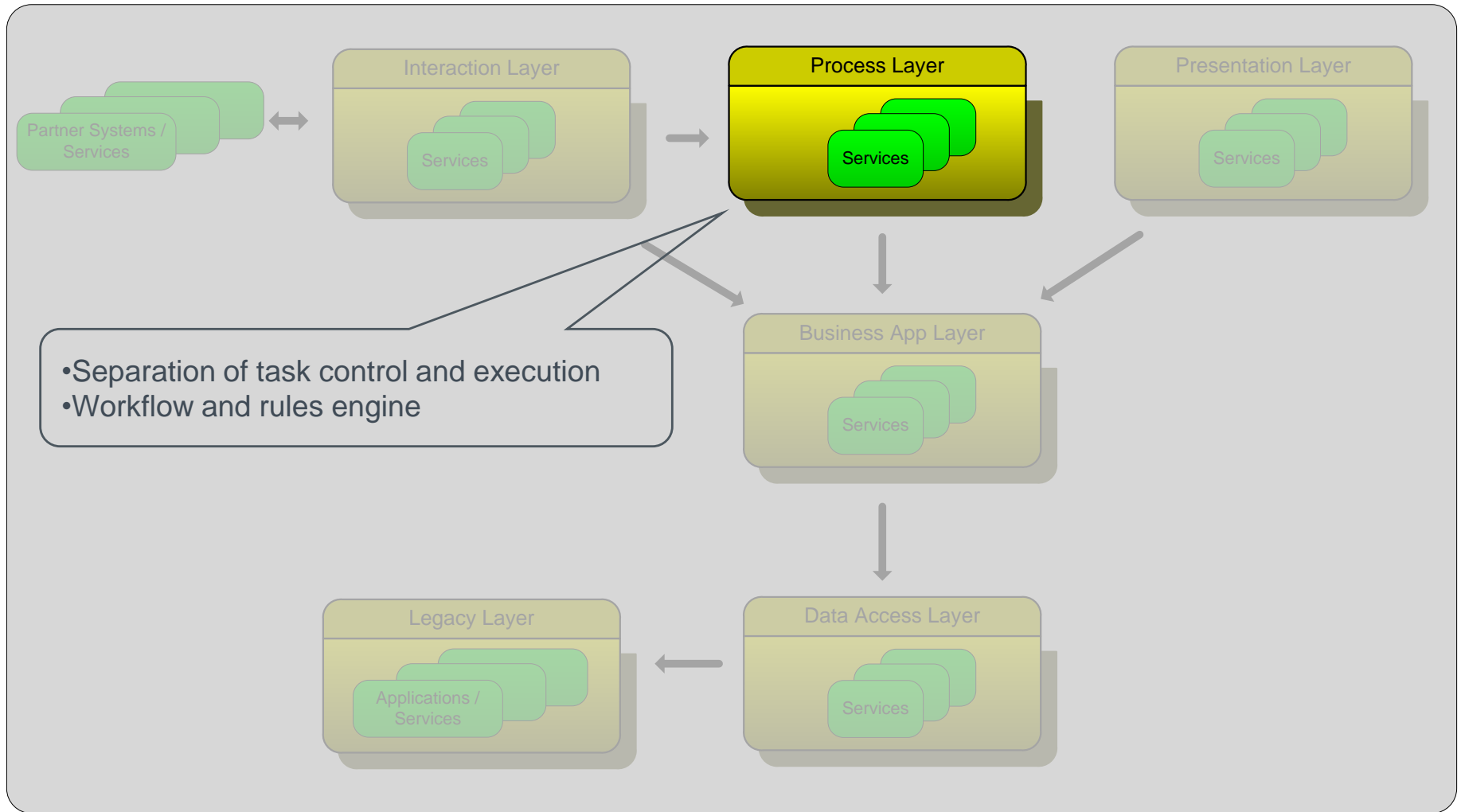
Application Architecture: Data Access Layer



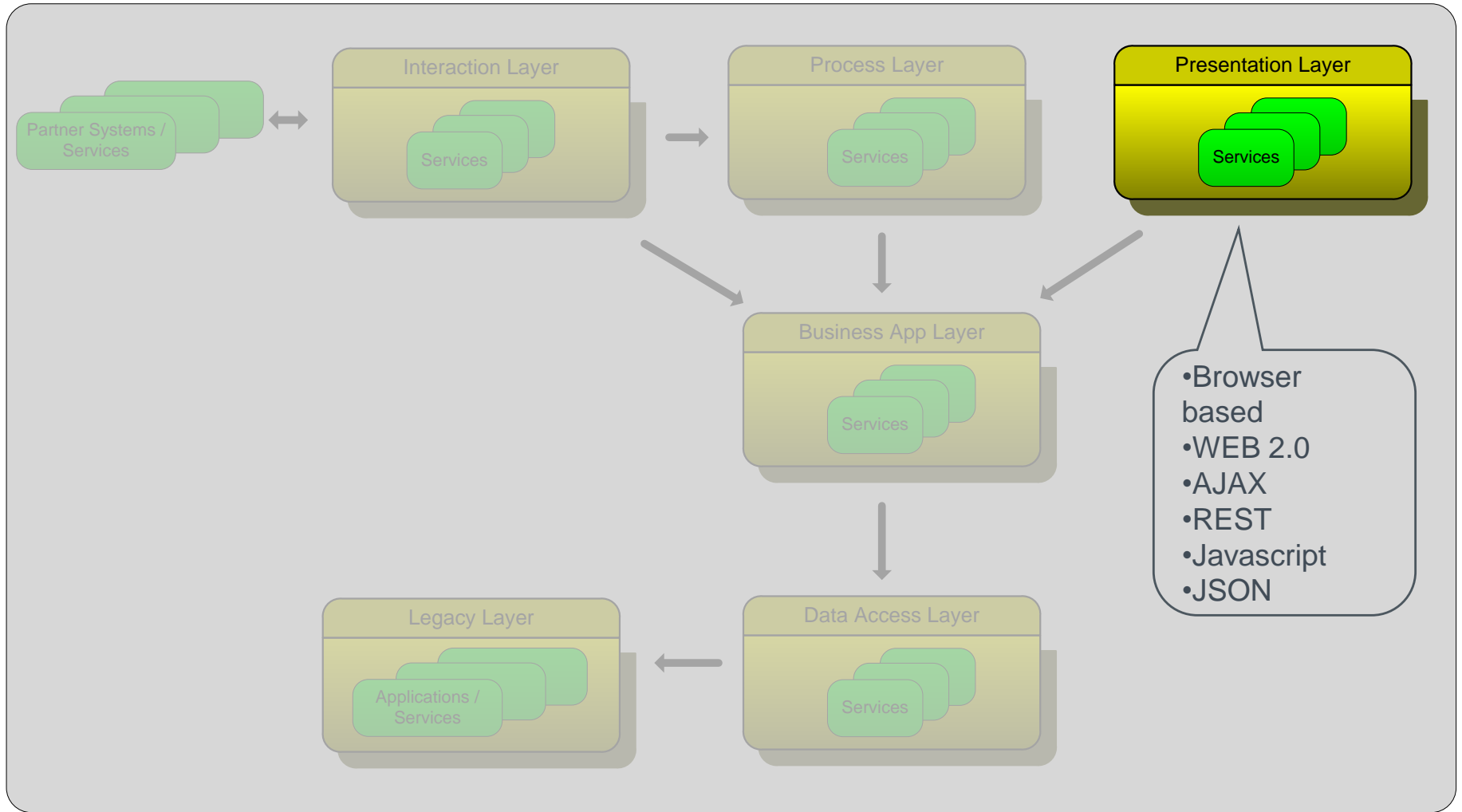
Application Architecture: Business App Layer



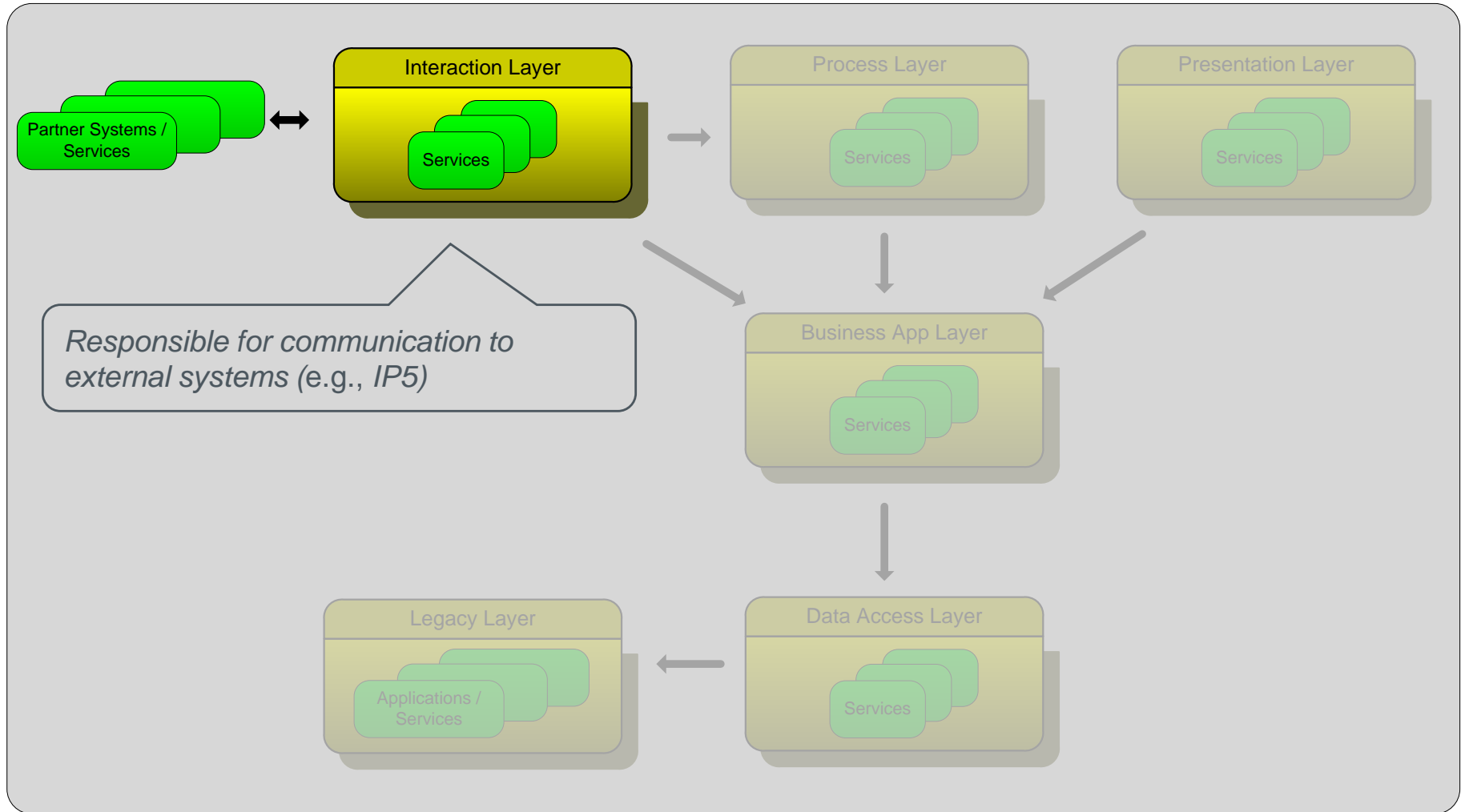
Application Architecture: Process Layer



Application Architecture: Presentation Layer

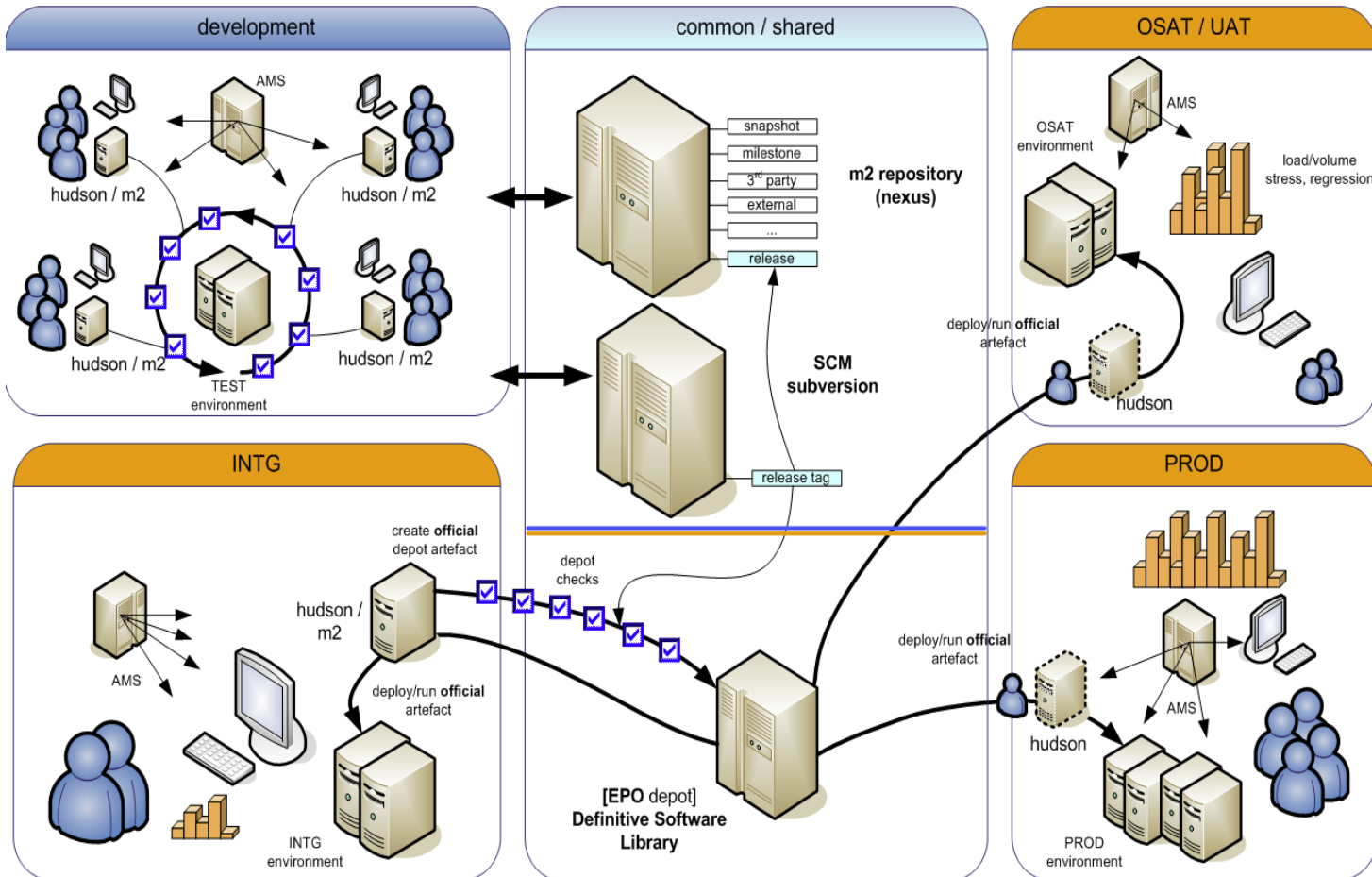


Application Architecture: Interaction Layer

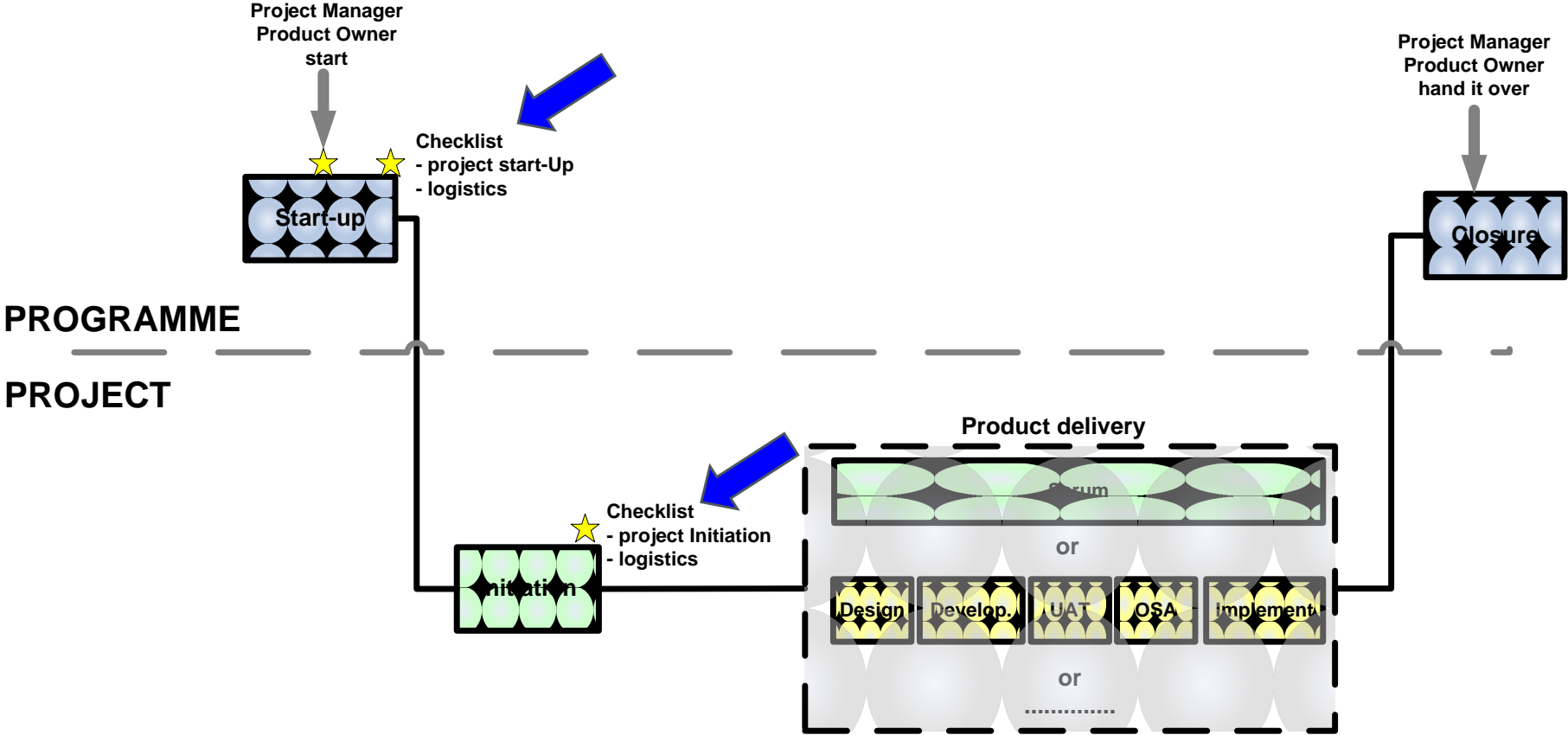


Development Toolset

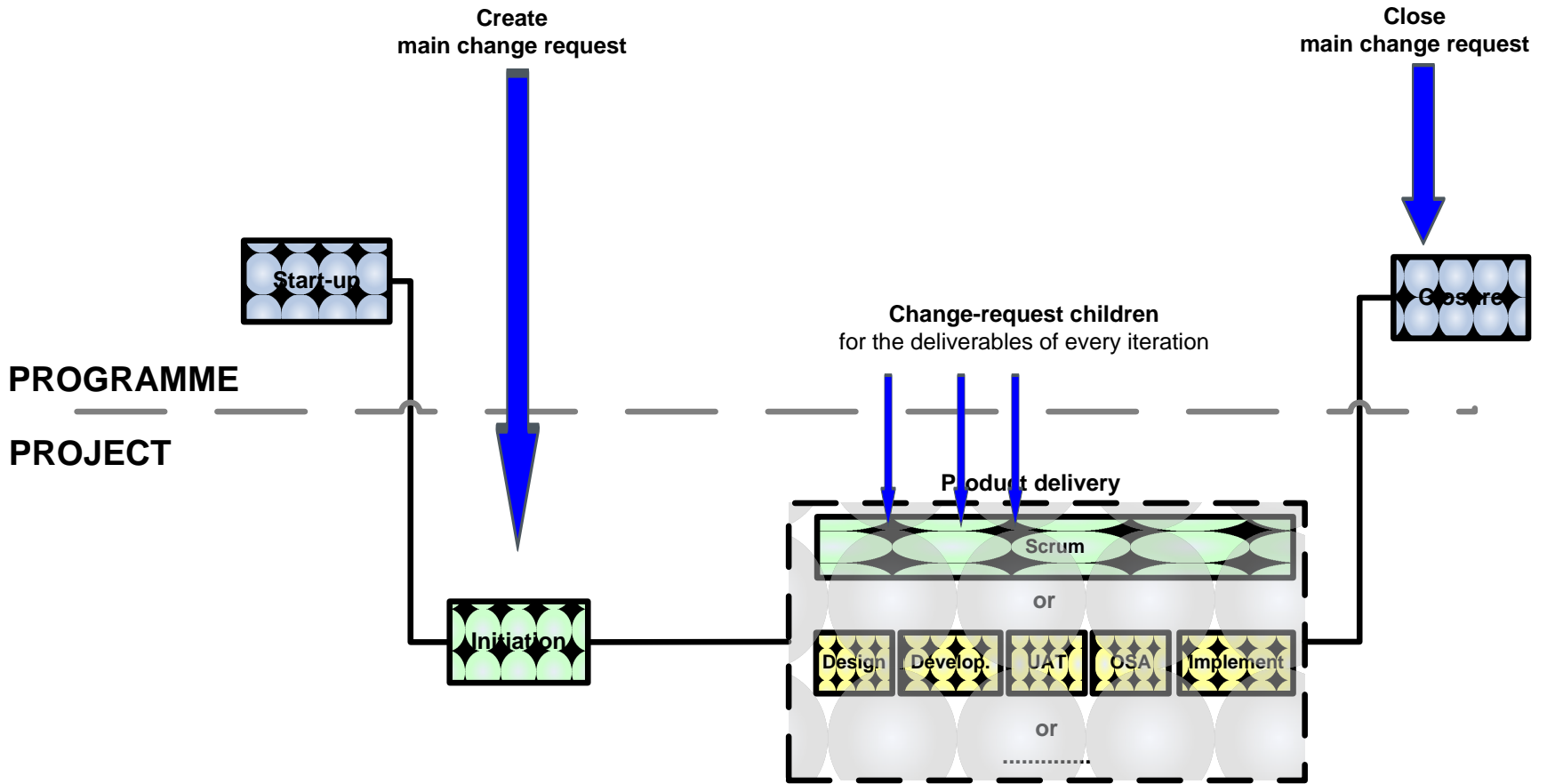
- Based on RefApp
- Extended with JavaScript tools



Project flow and Checklists

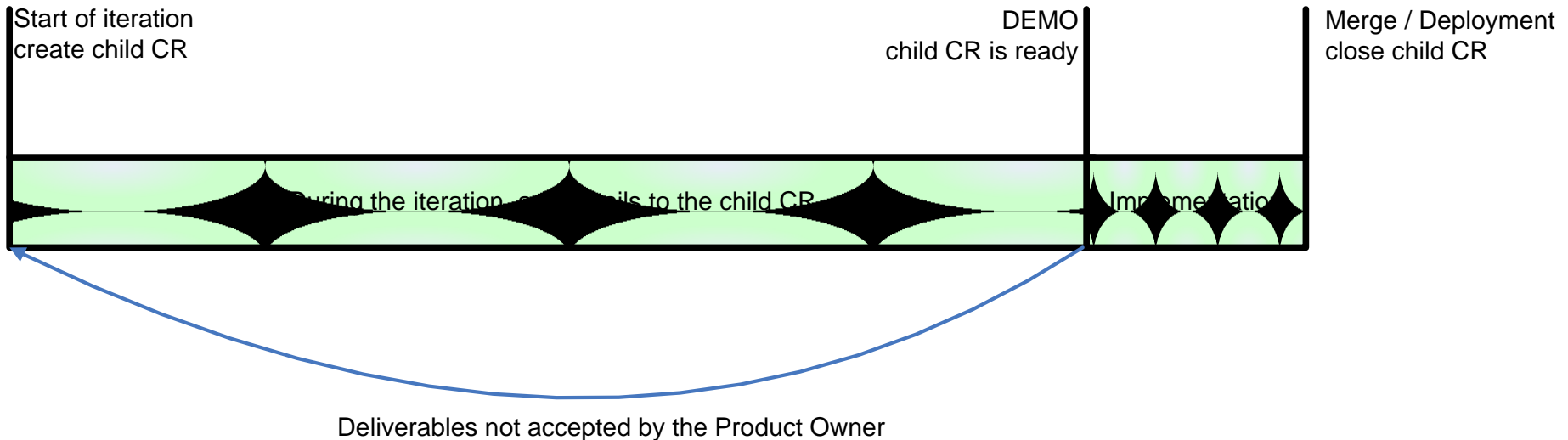


Change Procedure (Change Request)



Change Procedure (Implementation)

- Iterations of two weeks
- Demo: acceptance by product owner
- Implementation: additional testing (regression, load)
- Merge and deployment on the following Wednesday



More Information

Babylon: SPP Programme/Projects/SPP Preparation

▼ SPP Preparation

▶ Architecture

▶ Project Documentation

▶ Project Standards Deliverables

Wiki : <http://confluence-p.internal.epo.org/display/RNA/SPP>

SPP

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Q and A

We're Listening. Let us Know What You Think.



Further questions, or feedback?

Feel free to get in touch.