

# POLARSYS Working Group on Project Planning Committee

31st May 2013

Alain Rossignol

# Attendees



- Alain Rossignol (ASTRIUM Sat) (Group co\_leader)
- Lei Pi (INTECS) (Group co-leader)
- Xavier Plavis (ASTRIUM Sat)
- Pierre Gaufillet (AIRBUS)
- Raphael Faudoux (ATOS) replaced by Arthur Daussey (ATOS)
- Gael Blondelle (OBEO)

# Agenda



- Goal of the PPC WG
- ECLIPSE projects and PMC (Project Management Committee) recall
- Difference between ECLIPSE PMC & POLARSYS PPC
- Some POLARSYS definitions and relationships: TLP & 3P, domains, project , component, package
- POLARSYS Package IDE
- PPC process
- PPC WG next steps

# Goal of the PPC WG



- The goal of this working group is to define the process for Project Planning Committees, PPC governance (including decision to fund some project evolution), and to implement the PPC for the Polarsys IDE.
- Actions identified
  - Manage the Polarsys IDE PPC: List the existing features of Polarsys IDE, Identify the gap between the features and the users needs
  - Define the way PPC should work : PPC charter, PPC process
  - Identify the granularity of PPC: for bundles, for components like Papyrus, ...

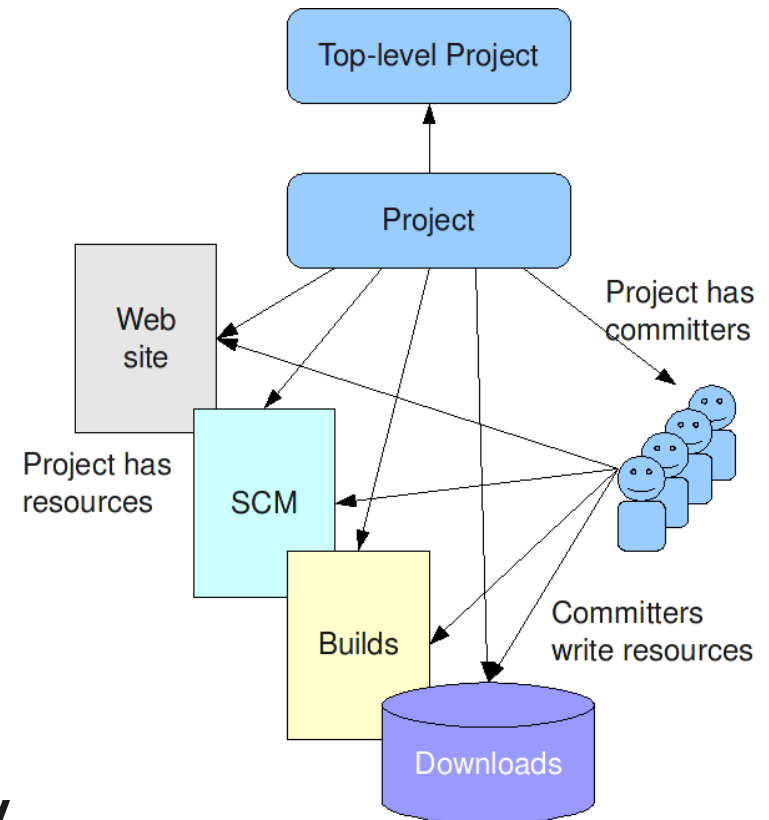
# ECLIPSE Project (Recall)



- The means by which open source work is organized
  - Project Leaders, committers
  - Code, releases, builds, downloads, websites, and more
  - IP Records
  - Community Awareness
- All open source software development occurs within the context of a Project

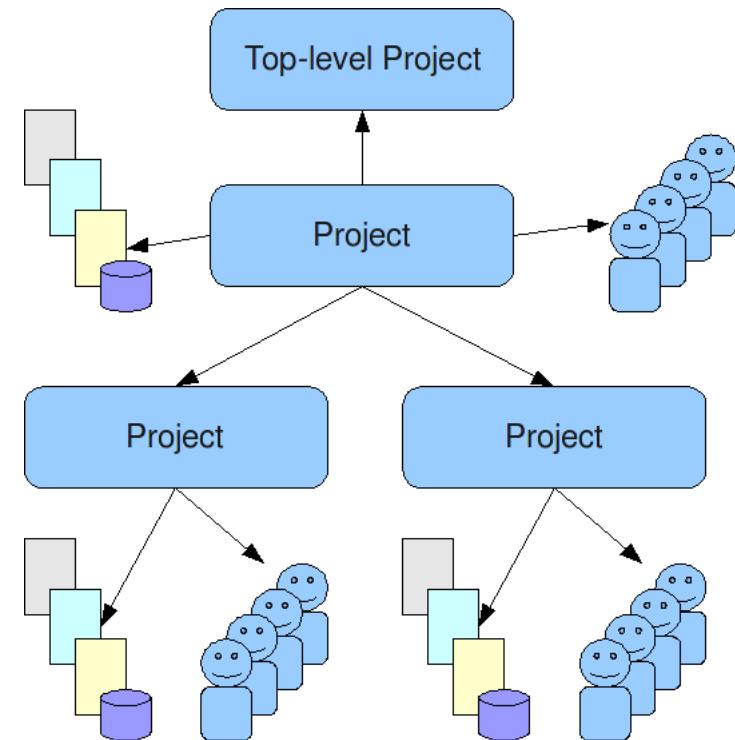
# ECLIPSE Project Structure (Recall)

- Optionally have:
  - SCM (Git)
  - Website
  - Time on build server
  - Space on download / archive server
- Each project has exactly one UNIX Group/set of committers



# ECLIPSE Subprojects (Recall)

- A project may have zero or more subprojects
- Each subproject has its own committers and resources
- Subproject scope must align with parent project scope
- Parent project leadership provides oversight



# ECLIPSE PMC & POLARSYS PPC



- ECLIPSE PMC :
  - At project or sub-project level
  - Group of committers with one leader
  - Frequency and working way (FtF, telco, wiki/mail) are flexible
- POLARSYS PPC :
  - At project level
  - Group of end-users with the support of Projects PMC
  - Frequency twice a year or more, FtF and/or telco



# POLARSYS Projects



- **POLARSYS TOP LEVEL PROJECT (TLP or POLARSYS PROJECT)**

- The PolarSys Top Level Project (the "Polarsys Project") is an open source software development project hosted by the Polarsys Industry Working Group which is dedicated to providing a robust, full-featured, industrial-quality, and freely available set of development tools addressing specific needs of critical and embedded systems.

- **POLARSYS PACKAGING PROJECT (PPP or 3P)**

- The PolarSys Packaging Project, or 3P, is a proposed open source project under the PolarSys Top-Level Project.
- This proposal is in the Project Proposal Phase .
- 3P targets to provide packages, building platforms and installers for each functional stack identified as required by Polarsys Architecture Committee.
- The objectives of the PolarSys Packaging Project are to:
  - Define a set of packages that will cover specific requirements of embedded / critical software and system development.
  - Provide installers that improves the install experience.
  - Provide platforms to keep packages building simple.

# Polarsys Domains



## BUSINESS LAYER

### POLARSYS ENGINEERING LAYER

Requirement Management	Design	Development	Testing	Verification & Validation	Quality Management
Change Management	Configuration Management	Co-Engineering	Maintenance	Process Engineering	Product Management

### POLARSYS TECHNOLOGY LAYER

Model Edition & Representation	Model Query, View, Transfo. Technology	Model Verification	Model Simulation	Traceability Management	Interoperability
Change Management	Configuration Management	Code Verification	Quality Management & Controls	Documentation	Project Management

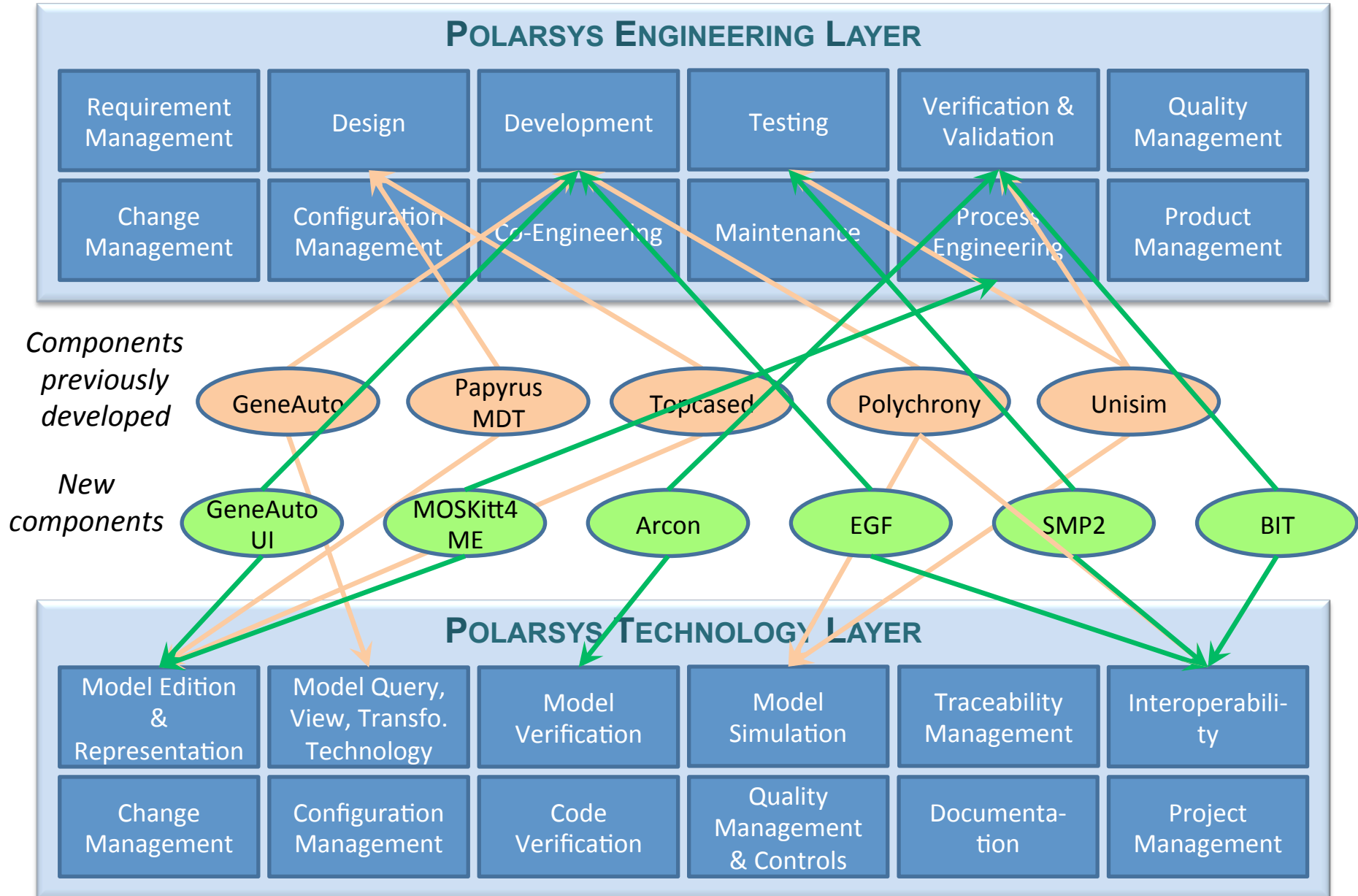
### POLARSYS SERVICE FRAMEWORK

- Infrastructure Services
- Projects Governance
- Legal Support
- Label Support
- Working Groups
- Marcom
- Toolset Centric Professional Services
- Consulting Professional Services



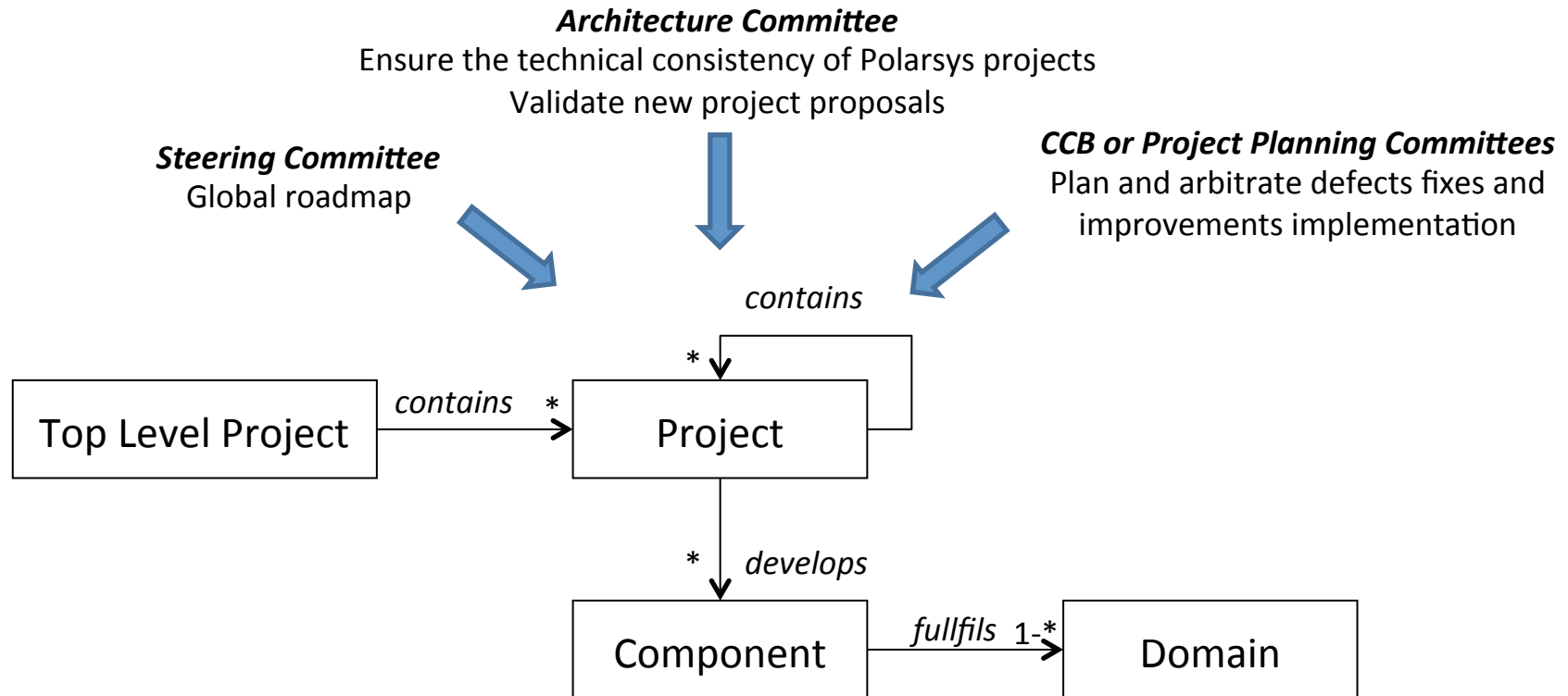
## Eclipse Infrastructure

# Some OPEES Components on Polarsys domains



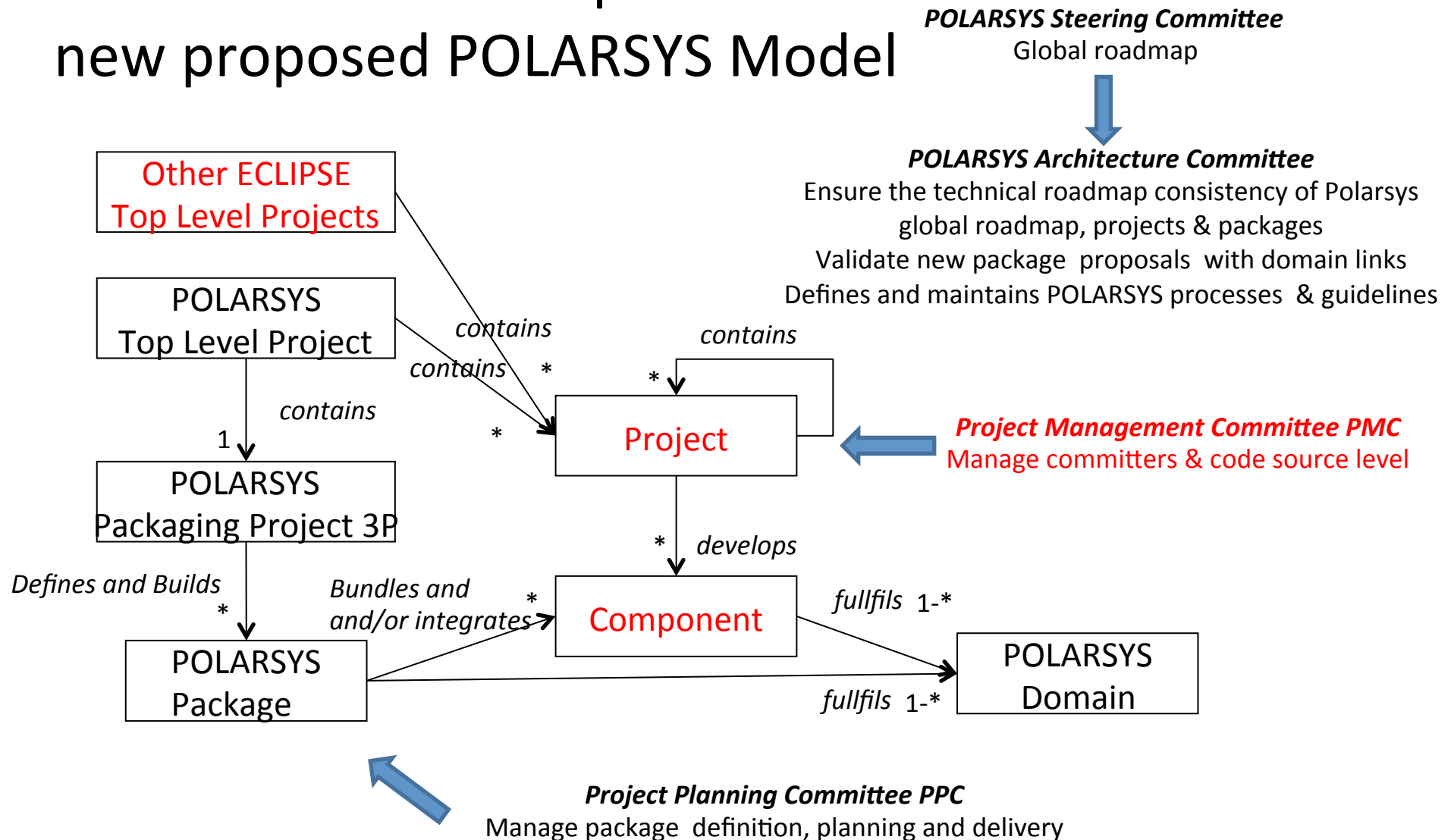
# TLP, Project, Component and Domain Relationships

## initial POLARSYS Model



# TLP, Project, Component, Package and Domain Relationships

## new proposed POLARSYS Model



# POLARSYS Current roadmap (1)



- **PolarSys Packages**

- The name of the first PolarSys package is "PolarSys IDE".  
PolarSys can be declined in other packages focusing on a specific domain of interest.  
Each package is managed by a dedicated PPC (Project Planning Committee).

- **PolarSys IDE Releases**

- The PolarSys releases for 2012-2013:
  - PolarSys IDE - In incubation phase
    - PolarSys IDE 0.1 - End of 2012, based on Juno SR1
  - PolarSys IDE 1.0 - Aligned on Kepler - Platforms: Windows (64 bits), Linux (64 bits), MAC, Solaris
    - PolarSys IDE 1.0M1: April 2013
    - PolarSys IDE 1.0M2: July 2013
    - PolarSys IDE 1.0: Oct 2013
    - Followed by PolarSys IDE 1.0 SR1 and SR2
- For the next releases, PolarSys IDE will be aligned on the planning of the Eclipse release train.

# POLARSYS Current roadmap



- **Contents of PolarSys IDE 1.0**<sup>(2)</sup>
  - Platform: JDT, PDE, Eclipse Platform
  - Modeling:
    - EMF: EMF Core, EMF Compare, CDO, EMF DiffMerge, EGF, EMF Query, EMF Transaction, EMF Validation
    - EMFT: Doc2Model, Ecore Tools
    - Graphical Modeling Project: GMF (Notation, Runtime, Tooling)
    - M2T: Acceleo
    - **MDT: OCL, Papyrus**
    - MMT: ATL
    - Textual Modeling Framework: Xtext
  - Mylin: everything - except Mylin Docs
  - Technology Project: Eclipse Git Team Provider, Subversive - SVN Team Provider
  - Tools Project: CDT, Linux Tools
  - Eclipse Web Tools Platform Project: JavaScript Development Tools, WTP Source Editing
  - TOPCASED:
    - ***Those components will be contributed to Eclipse or PolarSys projects:*** Gendoc2, OCL Tools, Facilities, Papyrus Connectors, Requirement, Scripting, UML2C, RTSJ (UML to Java)
    - ***TOPCASED UML2 & SysML editors are not part of POLARSYS IDE 1.0***
- **The Polarsys IDE PPC will be in charge of implementing this roadmap.**

# PPC Process



- Inputs
  - List of components belonging to the package + attribute Major /Minor (Public) → elaborated by PPC end-users
  - Needs and fundings (Private) → elaborated by PPC end-users
  - POLARSYS processes and guidelines (Public) → elaborated by Arch Com
  - POLARSYS roadmap (Public) → elaborated by Arch Com
  - Projects detailed roadmaps (Public) → elaborated by Eclipse PMCs
  - Maturity Evaluation & Quality Assessment of components (Public) → elaborated by POLARSYS & Arch Com
- Meeting (twice a year or more)
  - Agenda defined by PPC leader
  - Attendees = Package end-users + PMC leaders of major components
  - Chair and minutes managed by PPC leader
  - Include a public PPC part and an end-users private PPC part
- Outputs
  - Package roadmap and planning (Public)



# PPC WG next steps



- Prepare a communication set → Alain Rossignol those slides as 1<sup>st</sup> proposal
- Modify existing CCB now PPC charter according to PPC WG discussions → Lei Pi
- Propose actions for validation and decisions on next steering committee on 25/26 June → Alain Rossignol
- Organise a first Package IDE PPC → TBD