

# e-Framework Components and Responsibilities

The primary goal of the e-Framework is to facilitate technical interoperability within and across education and research through improved strategic planning and implementation processes.

# Guiding Principles

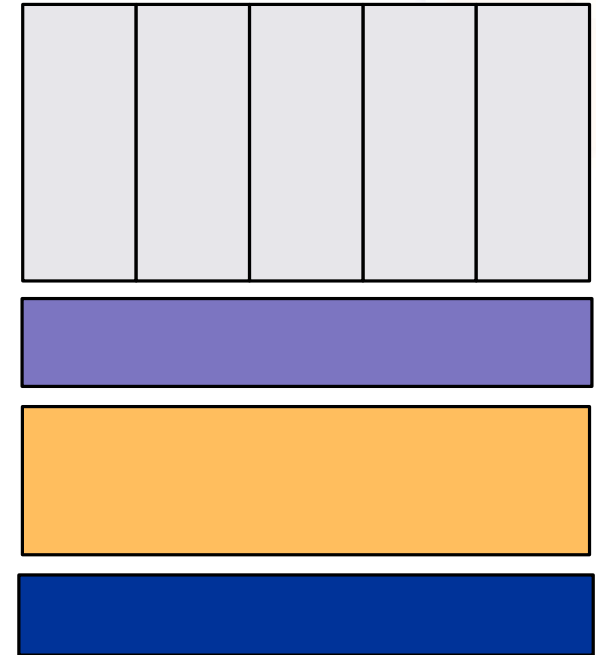
- A service-oriented approach to system and process integration
- Development, promotion and adoption of Open Standards
- Community involvement in development of the e-Framework
- Open collaborative development activities
- Flexible and incremental deployment

# Scope

The context in which the e-  
Framework operates is the  
technical infrastructure that  
supports the communities active  
in education and research.

Technical infrastructure is defined  
(at an abstract level) as including  
applications, services and the  
network.

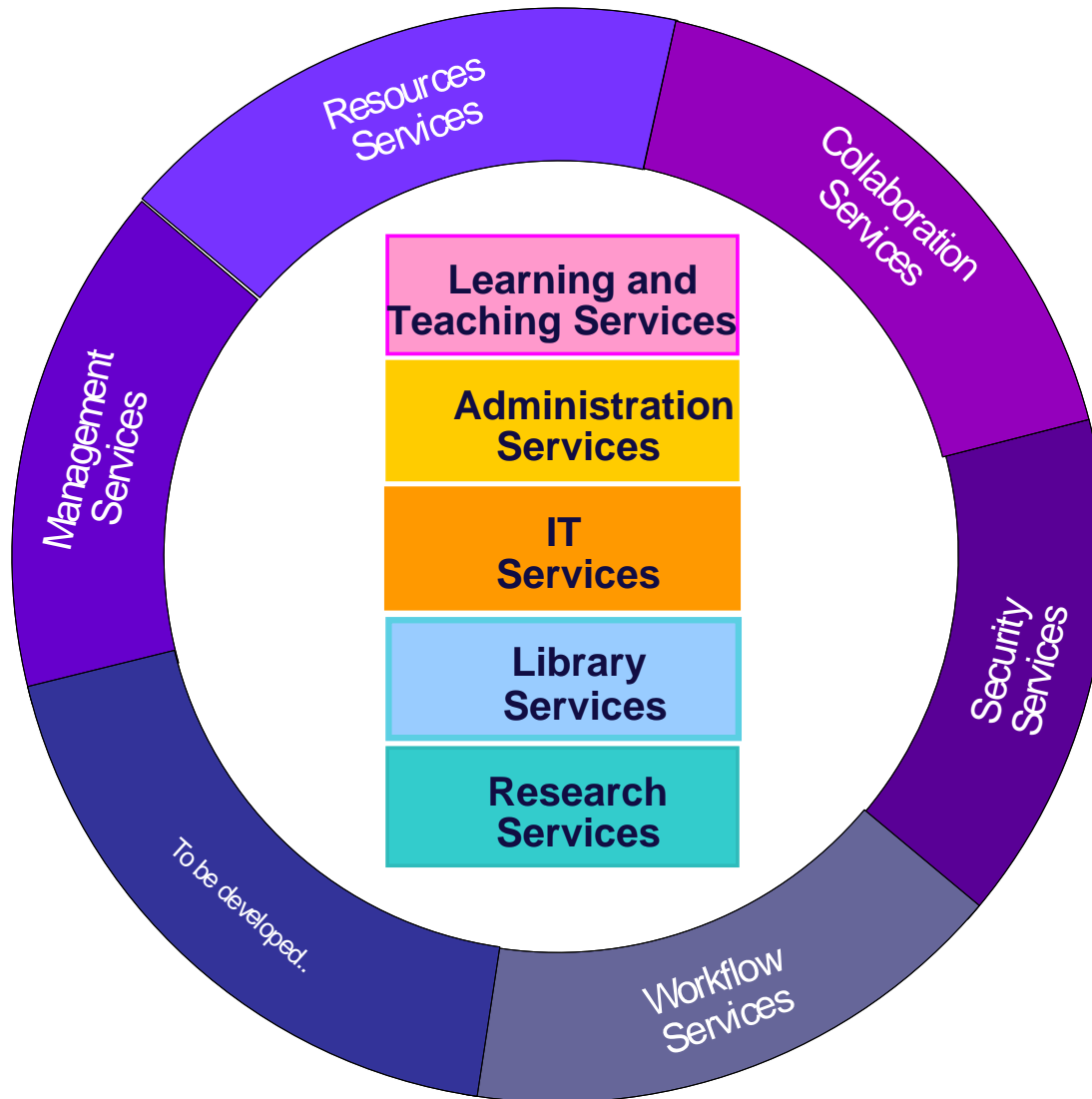
The e-  
Framework analyses and  
documents the *SERVICES* aspect  
and their *EFFECTIVE USE*.



# Purpose

- Provide a strategic approach to technical infrastructure development within and across domains
- Provide a consistent technical vocabulary
- Provide a focal point for interaction with software developers and those providing services to education and research.
- Act as a catalyst for the development of further specifications and standards

# Sharing Services



# Benefits - Partners

- A map of a complex environment
- A strategic planning tool for:
  - Prioritised investment in standards
  - Prioritised investment in interoperability technologies
- Improved return on investment through coordination and collaboration between Partners

# Benefits - Institutions

- Alignment of strategies and infrastructure development
- More choice of systems and suppliers
- Improved return on investment in existing systems
- More effective communications between communities through shared understanding
- Interoperability within and across institutional and national boundaries

# Benefits - Developers

- Better understanding between suppliers and customers
- More rapid development cycles through reusable components
- Entry of small innovative players into the market
- Faster response to customer requirements
- Communication and collaboration between developers
- Flexible business models for software development

## Documented by:

- Guides, Methodologies, Analysis
- Service definitions and descriptions
- Reference Models

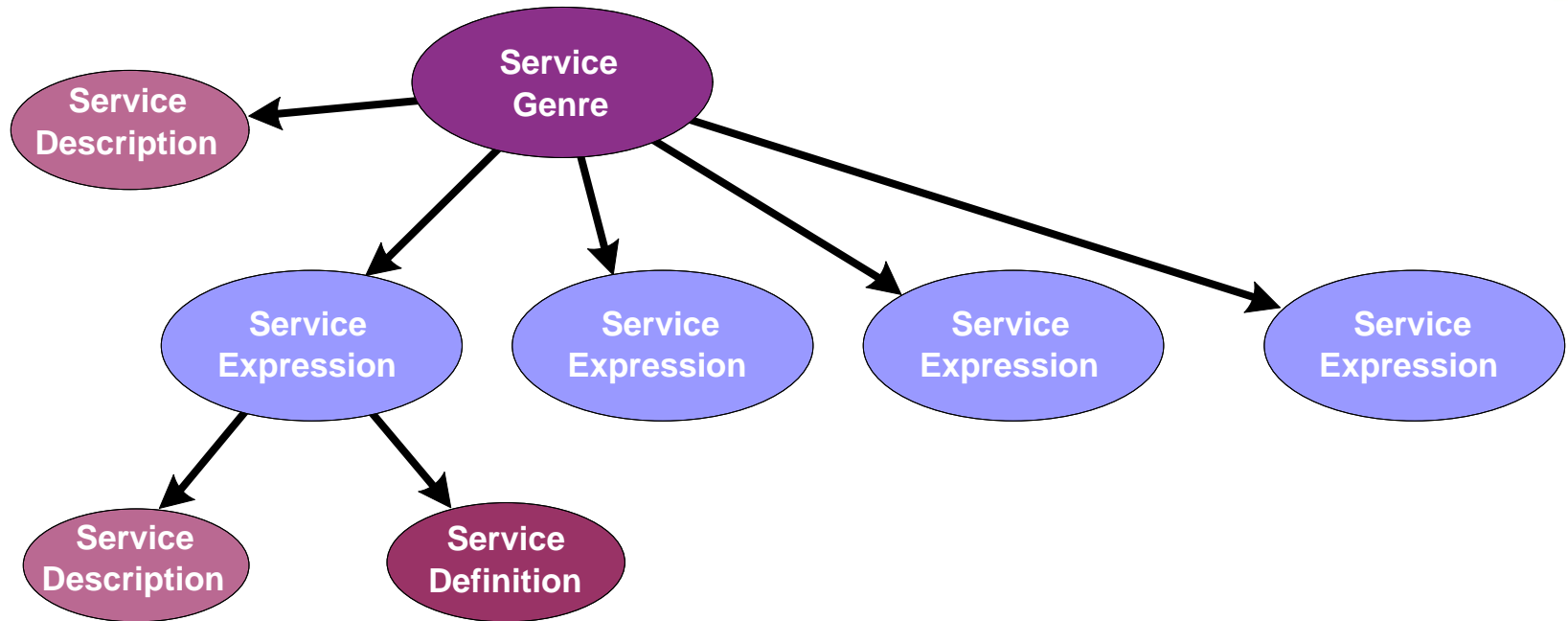
## Guides, Methodologies, Analysis

- The development of methodologies, good practice guides and analyses is an e-  
Framework responsibility
- The e-  
Framework web site will be the focal  
point for their dissemination
- The development of Reference Models  
and Service Specifications & Standards is  
the responsibility of Partners and others
- The e-  
Framework web site will be a focal  
point for their dissemination

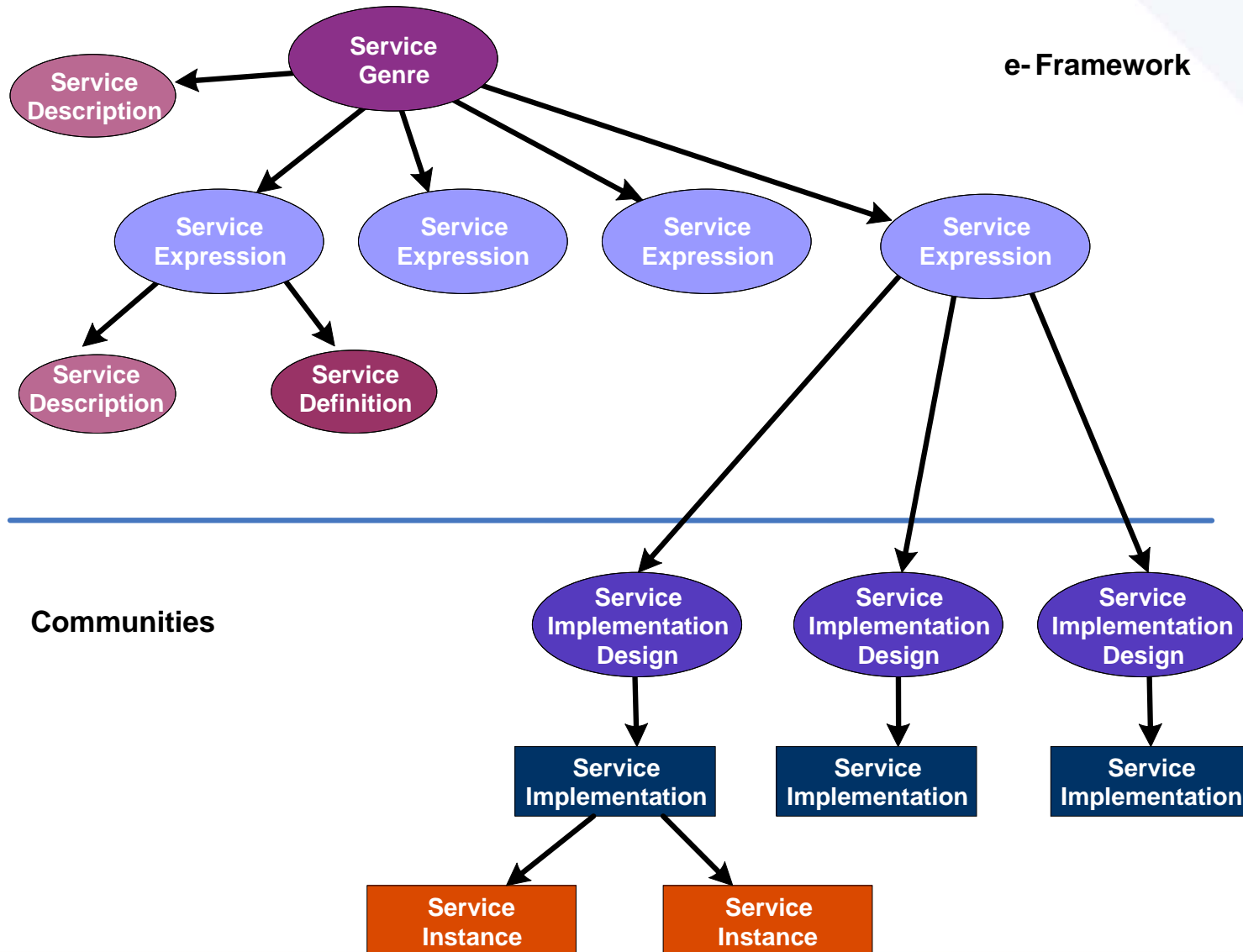
# Services

- The Services model is a major conceptual component
- The Services model will be maintained as an e-Framework responsibility
- The Services model will be a key element in the dialogue
- “Service Genres” and references to their associated “Service Expressions” will be maintained as an e-Framework responsibility
- A “Service Implementation” is a local or domain specific matter

# Services model – e-Framework



# Services model - implementation



# Reference Models

- Reference Models are the other major conceptual component
- They map out a solution to a typical user problem in terms of processes & services
- They may capture existing best practice and thus form a service pattern, or they may propose a new solution as a candidate for a service pattern

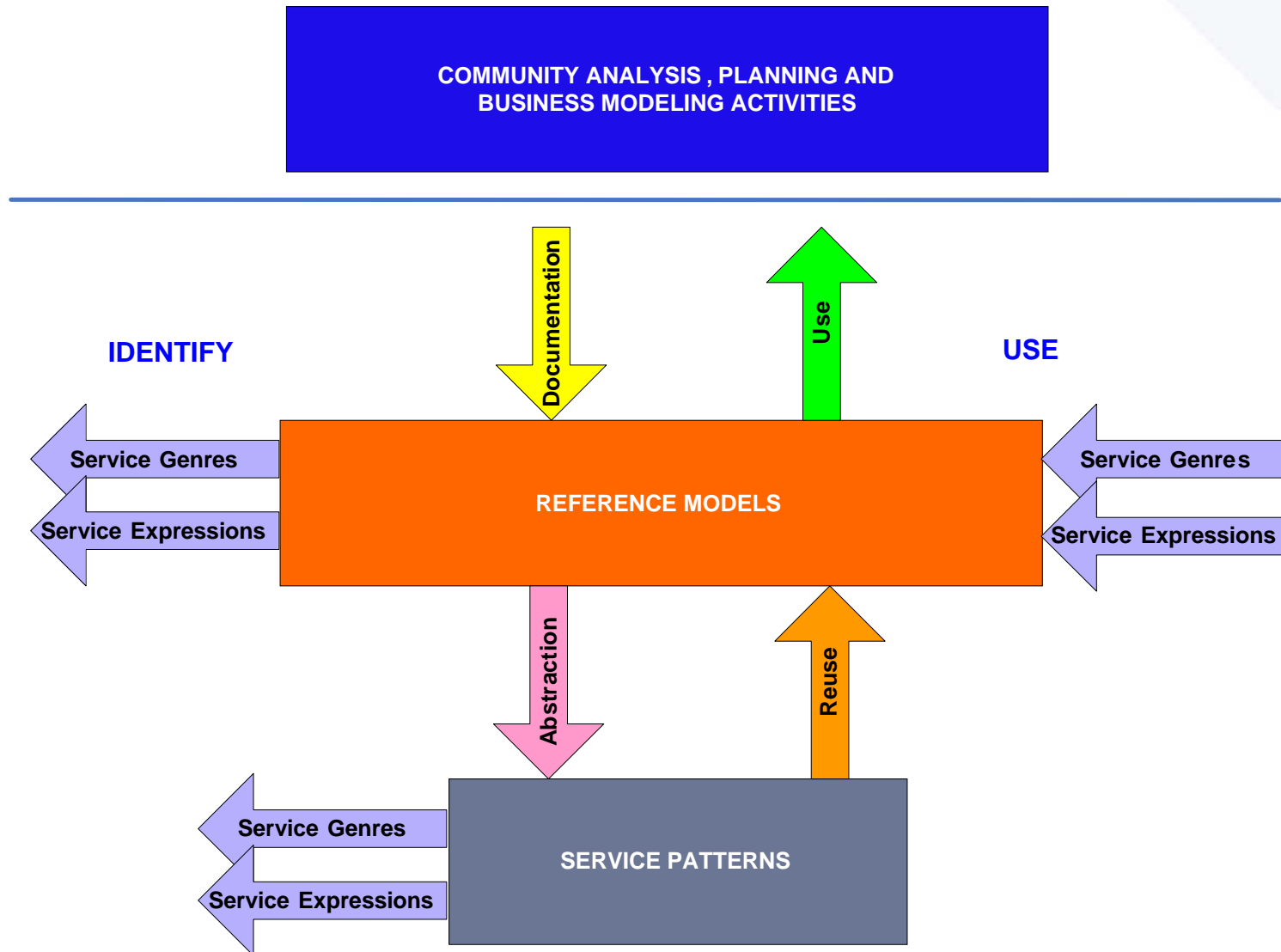
# Reference Models

- The methods used for analysing business processes and for developing a reference model are community specific
- (But we will provide guidance and pointers)
- The methods to be used for describing and presenting a reference model in the e-Framework are an e-Framework responsibility

# Reference Models

- The registry of reference models is an e-  
Framework responsibility
- The registering of reference models is a  
matter of community choice
- Service patterns will be derived from the  
study of multiple applications reference  
models
- The identification and documentation of  
service patterns is an e-  
Framework  
responsibility

# Reference Model Processes



# Community Use and Engagement

- The building of technical infrastructure based on the e-Framework concepts and methodologies is a national, local or domain specific activity
- Communities may contribute to development of the e-framework and share experiences in use and deployment through the e-Framework website
- Infrastructure to support community contributions is an e-Framework responsibility
- Quality Assurance is the responsibility of the e-Framework
- Development and presentation of a consistent view is an e-Framework responsibility

# Community use of the e-Framework

