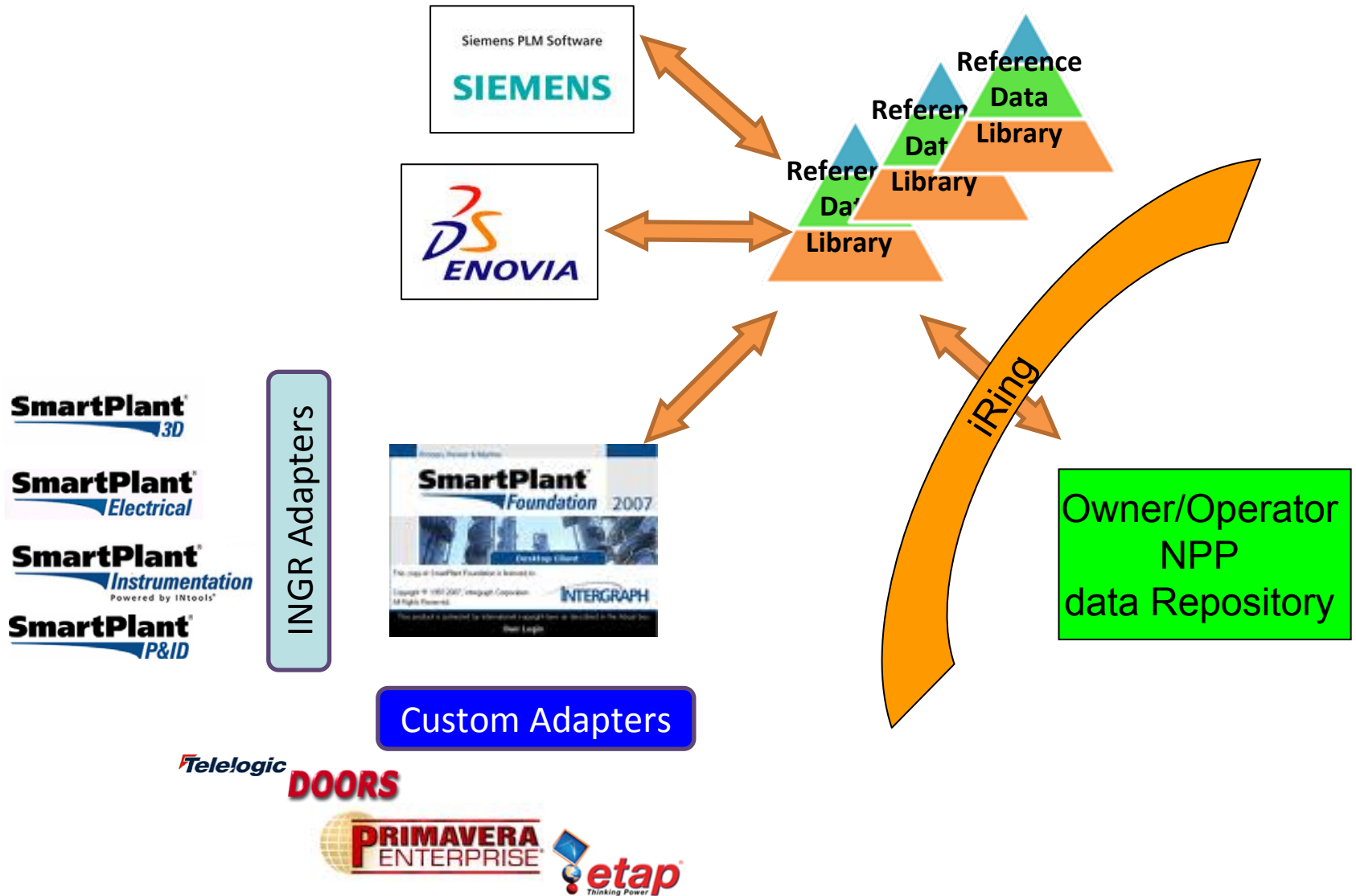


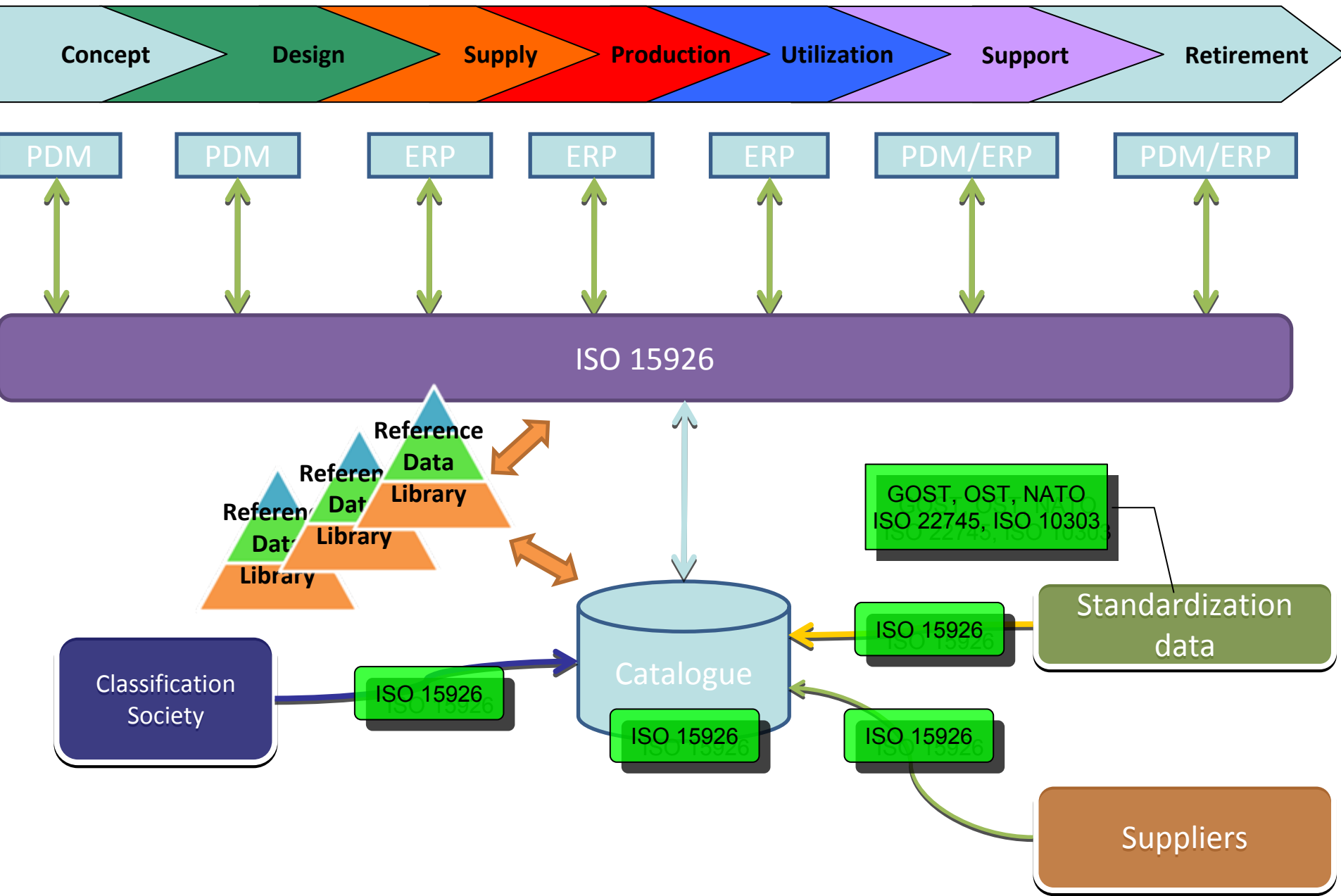
# System Architecture for project handover



# Common Catalogs of Equipment

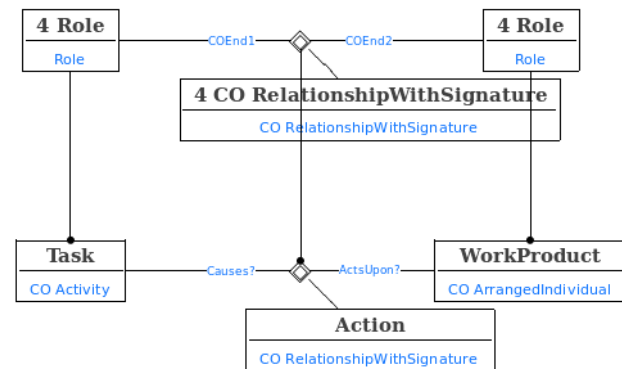
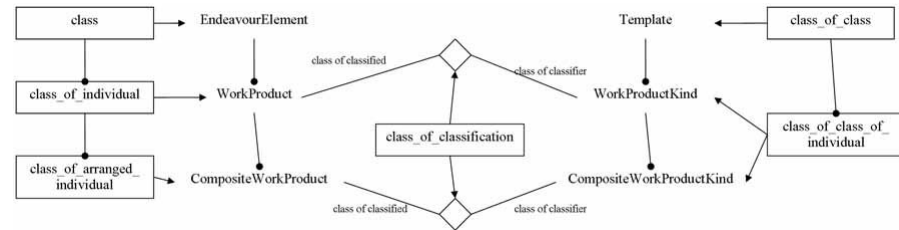
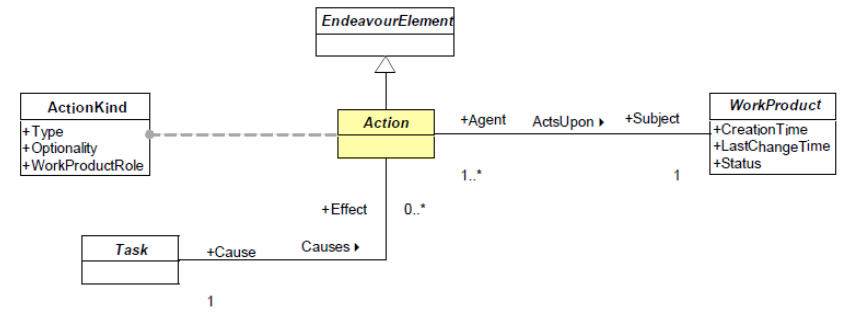


# Integrated catalog system for ship equipment and materials



# Related Research Projects (1)

- Activity (business process) modeling
  - Catalog of Development Method Models
  - ISO 24744 “**Software Engineering — Metamodel for Development Methodologies**”
  - UML Metamodel to ISO 15926 OIM
  - <http://community.livejournal.com/praxos/> (in Russian)
  - In discussions with ISO 24744 authors
  - Supported by TechInvestLab.ru



# Related Research Projects (2)

- 15926
  - Modeling in 15926 Languages as a Programming
  - Domain-Specific Language development
  - <http://community.livejournal.com/dot15926> (in Russian and in DSL)

```
from mapper import Mapper, attribute
```

```
_15926_2 = Mapper("../express\15926-2.xml")  
p2 = _15926_2.namespace("part2")  
_24744 = _15926_2.newMapping("ISO 24744")
```

```
@_24744
```

```
class WorkUnitKind:  
    classification = p2.ClassOfClassOfIndividual  
    default = p2.ClassOfIndividual
```

```
@_24744
```

```
class TaskKind:  
    classification = p2.ClassOfClassOfIndividual  
    specialization = WorkUnitKind  
    default = p2.ClassOfIndividual
```

```
@_24744
```

```
class WorkUnit:  
    def setKind(self, kind):  
        _24744.add(p2.Classification(name = "kindOf" + self.  
name,
```

```
classified = self,  
classifier = kind))
```

```
return kind
```

```
classification = p2.ClassOfIndividual  
default = p2.ActualIndividual  
kind = attribute(setKind)
```

- Category Theory

- Early experiments after an idea of Matthew West
- “Towards arrow-theoretic semantics of ontologies:conceptories”, Osman Bineev, <http://arxiv.org/abs/1008.1309>

