

**World Intellectual Property Organization**

# **Online IP Administration**

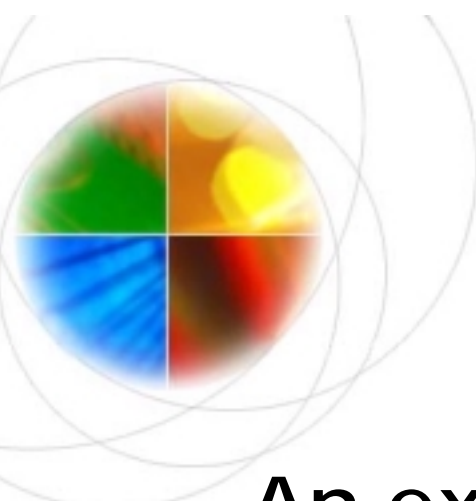
**Electronic Commerce Conference  
September 19 to 21, 2001**





## Presentation Overview

- **Case study: PCT Electronic Filing**
- **Why is WIPO doing E-filing**
- **Project make up**
- **Where are we now**
- **Issues: Harmonization of software**
- **Future strategy**
- **Development model**



## Case study: PCT Electronic Filing

**An example of online IP administration**

**The electronic filing of international applications under the Patent Cooperation Treaty**



## Why is WIPO doing E-filing

- Mandated by WIPO Assemblies to:
  - adopt a standard
  - develop an E-filing system based on the standard (PCT-EASY)
- Currently no product available that
- meets PCT requirements
- Patent Law Treaty: IT support for developing countries
- PCT processing at WIPO and IMPACT



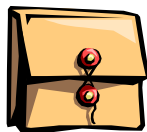
**Project make up**

**Development of the legal framework  
and technical standard for electronic  
filing**

**Technical requirements from Annex F**



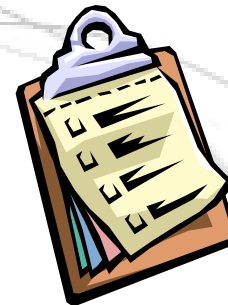
# Project make up: technical requirements



E-PCT Dossier  
(compound  
document)

```
<!DOCT  
<!ELEM  
<!ATTRI
```

XML DTDs



Basic Common Standard



PKI



Physical Media



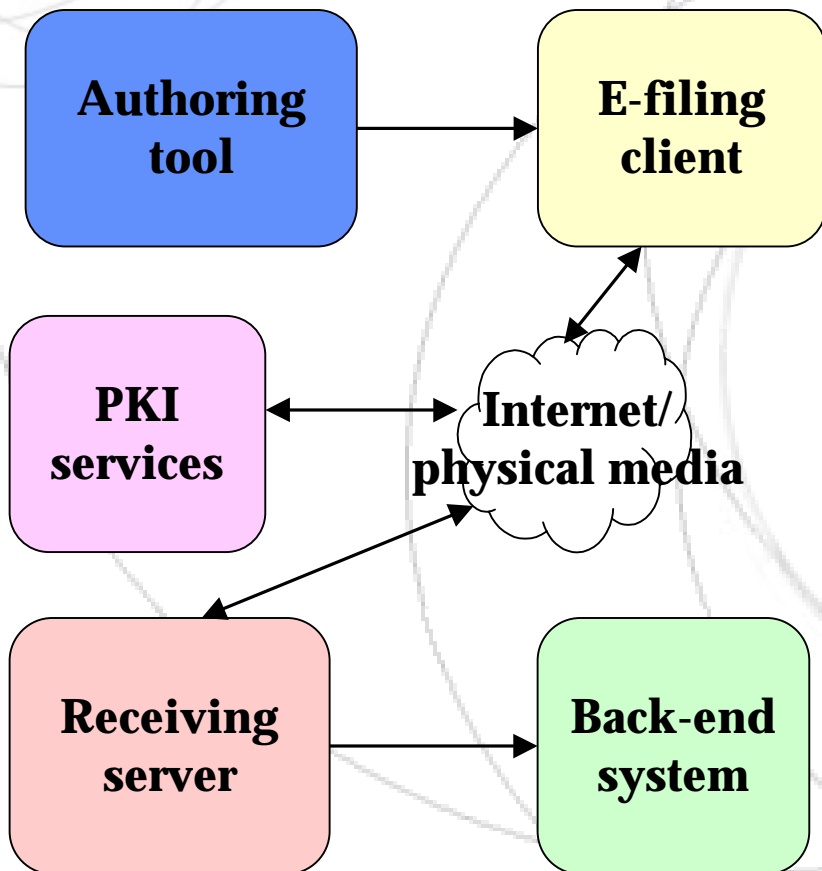
Transmission  
Protocol



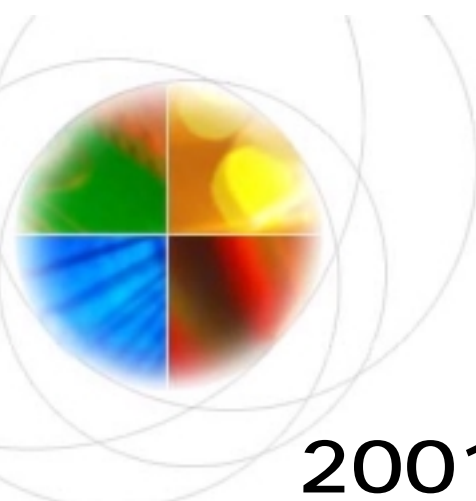
Packaging



## Project make up: 5 E-filing components



- Authoring tool
- E-filing client
- Receiving server
- PKI services
- Back-end system  
print/store



## Where we are now

**2001: 32% of PCT filings are prepared using PCT-EASY**

- (> 6,500 registered users)

**PriceWaterhouseCoopers report**

- August 2001

**Project initiation completed**





## Issues: Harmonization of software

**Technical standard**

**Interoperability**

- **common protocol & data format (XML)**

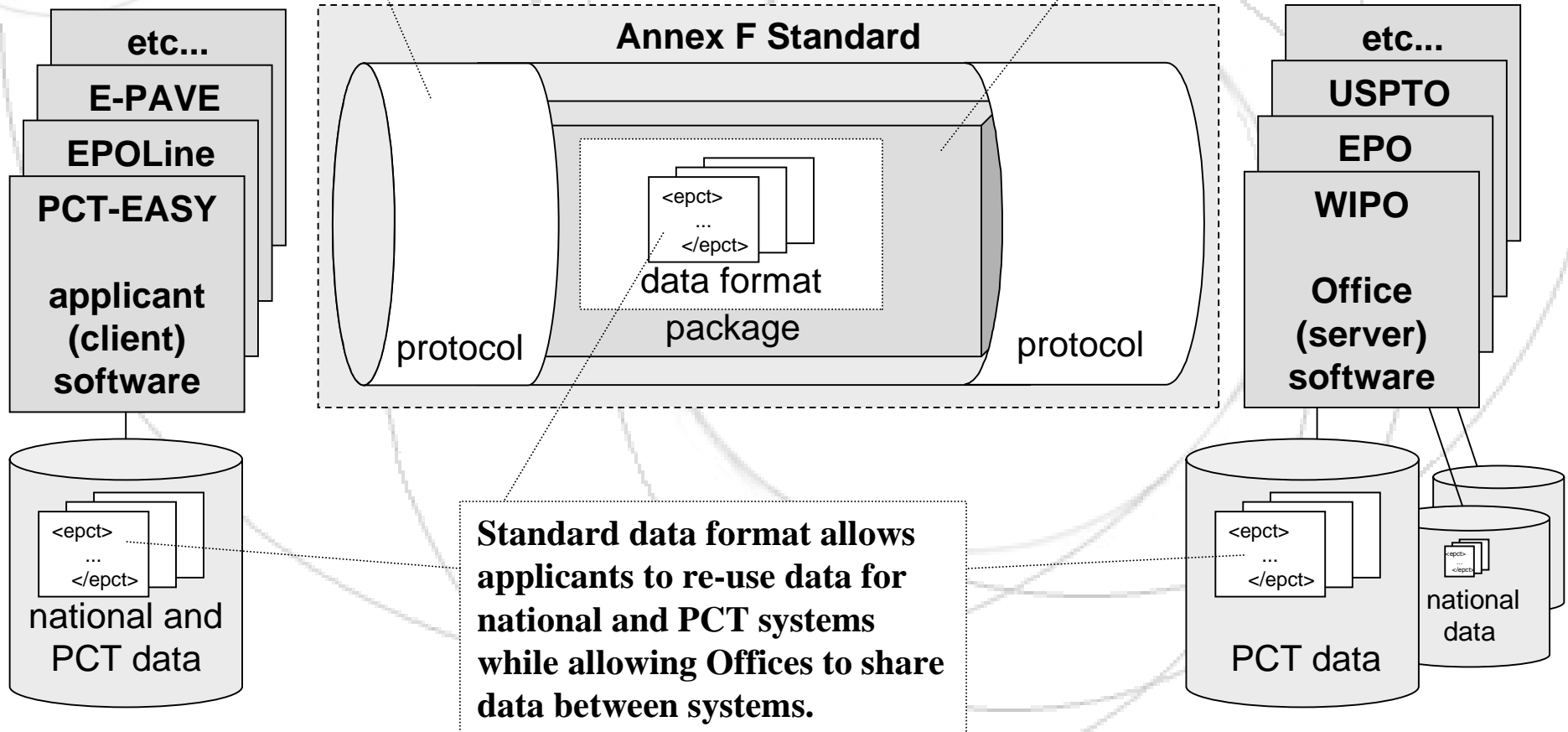
**Component reuse**

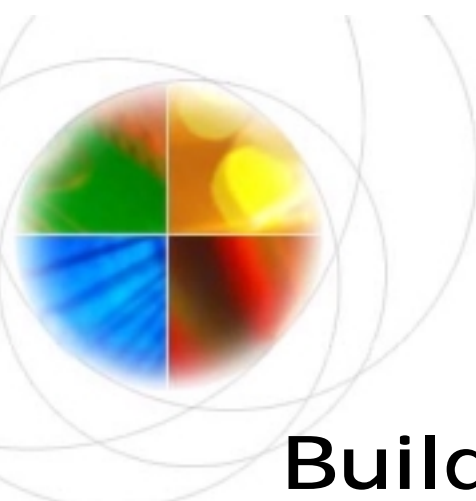
- **Prototyping for possible customization existing electronic filing software**

# Harmonization activities: software interoperability

Standard protocol and package allow different applicants and offices to communicate with the same software.

Standard package and PKI allows all applicants and Offices to create and validate electronic signature.





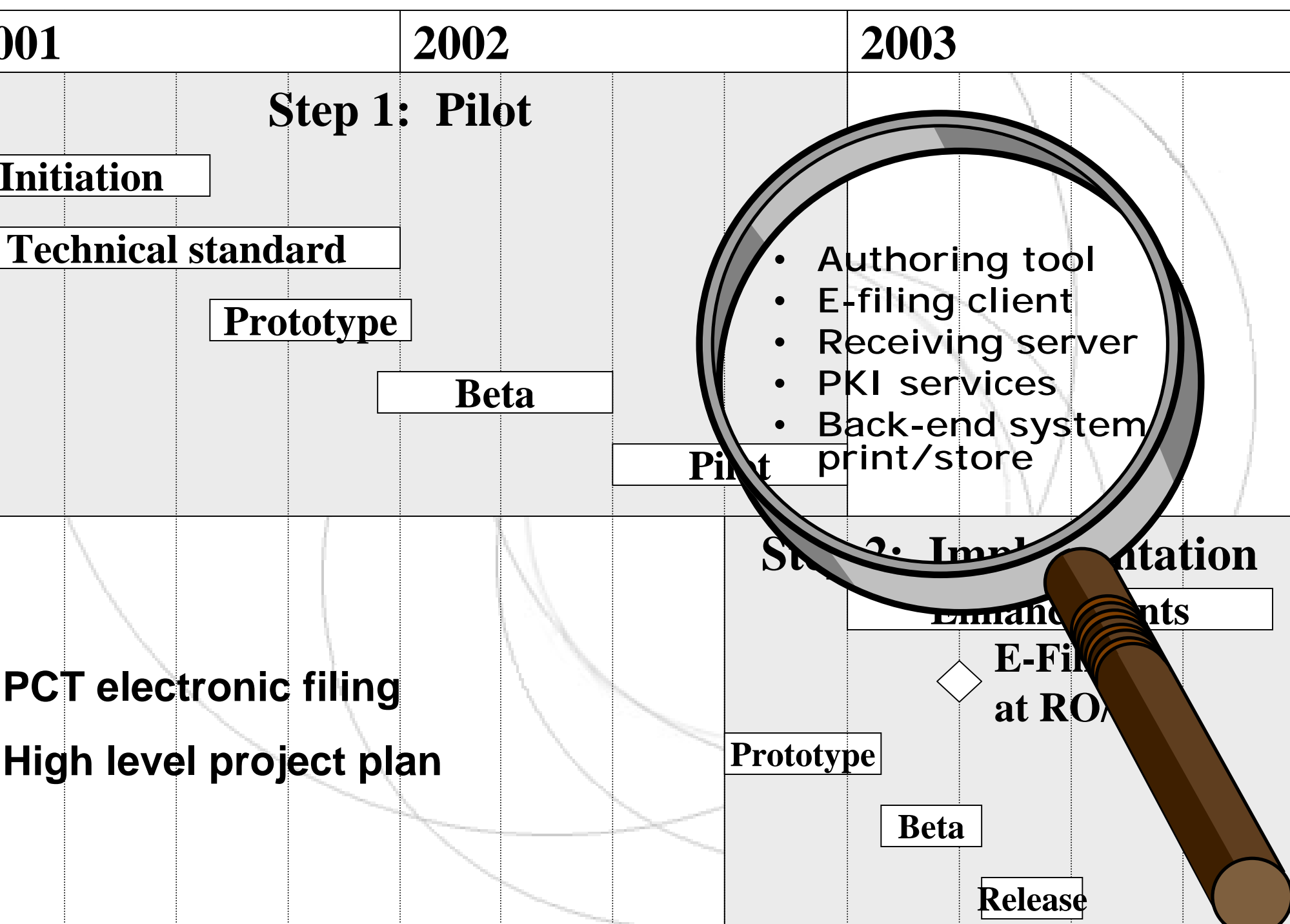
**Future strategy**

## **Build on PCT-EASY**

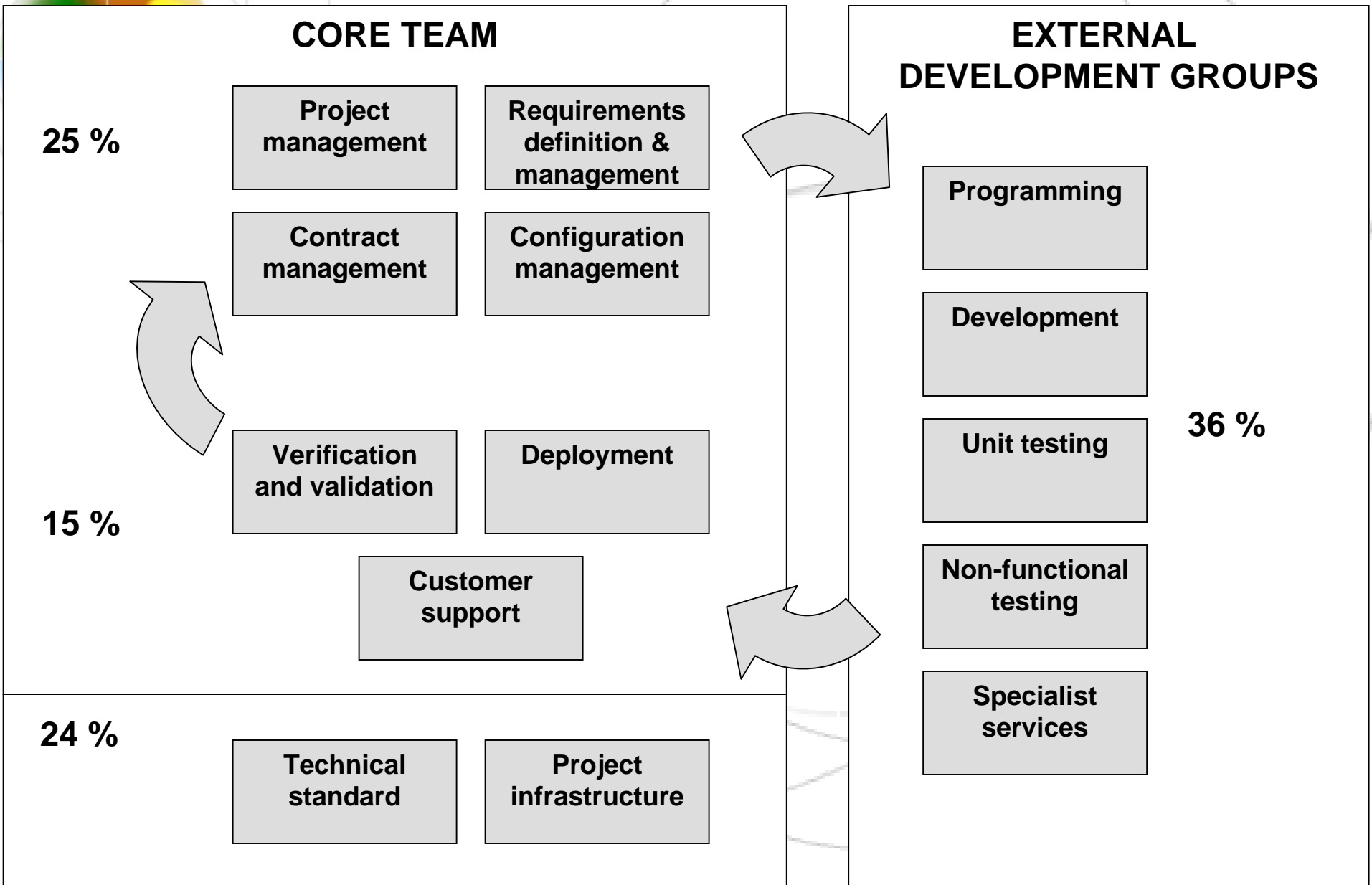
- **user base**

## **High Level Project Plan**

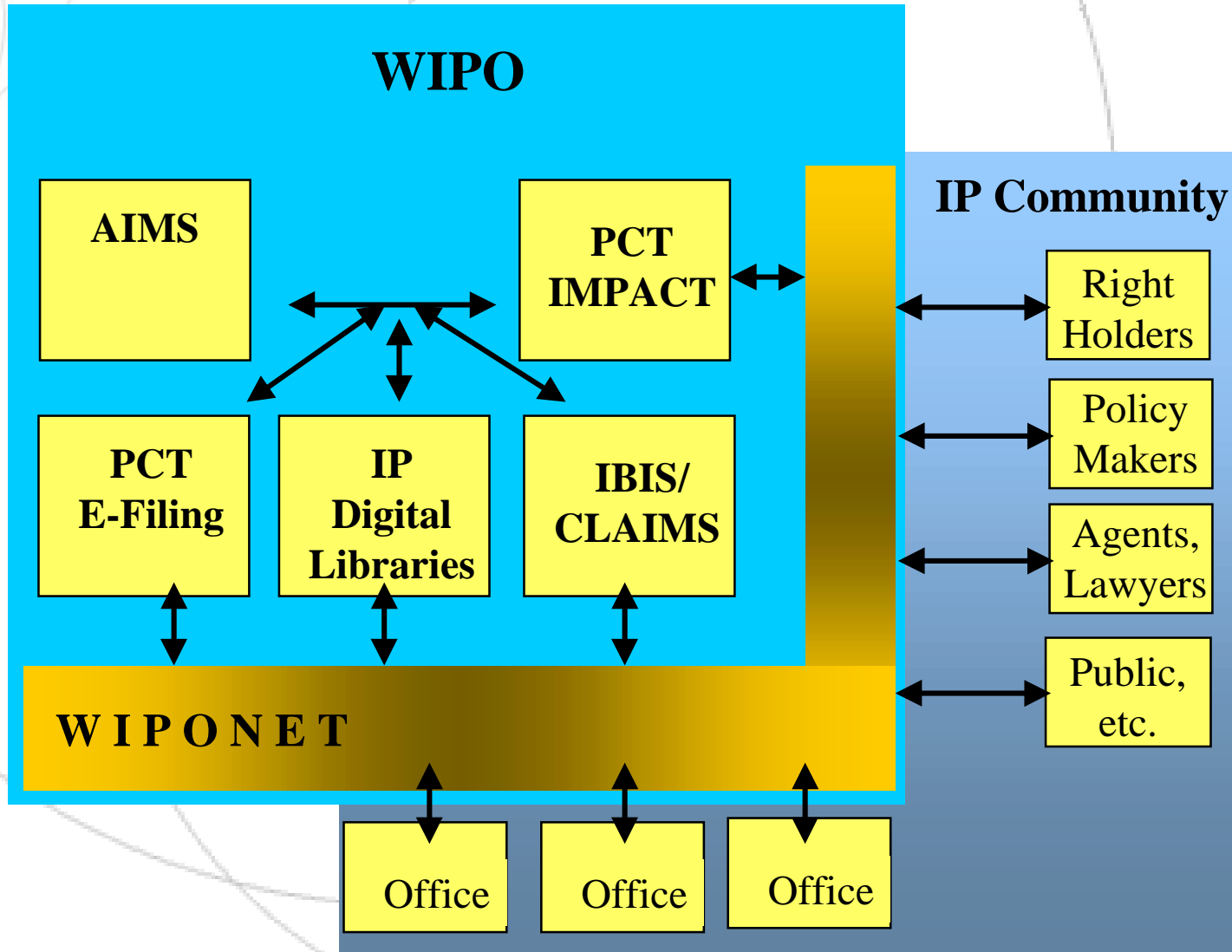
- **based on Rational's Unified Process (RUP)**
- **iterative development approach**



# Development model (budget percentages)



# Links to other projects





PCT Electronic Filing

**Thank You**

[http://pcteasy.wipo.int/efiling\\_standards/EFPage.htm](http://pcteasy.wipo.int/efiling_standards/EFPage.htm)