

# The PCP/PPI instrument and how it is implemented in PREFORMA

*Antonella Fresa*

*Promoter Srl*

*PREFORMA Technical Coordinator*

# Public Demand Driven Innovation

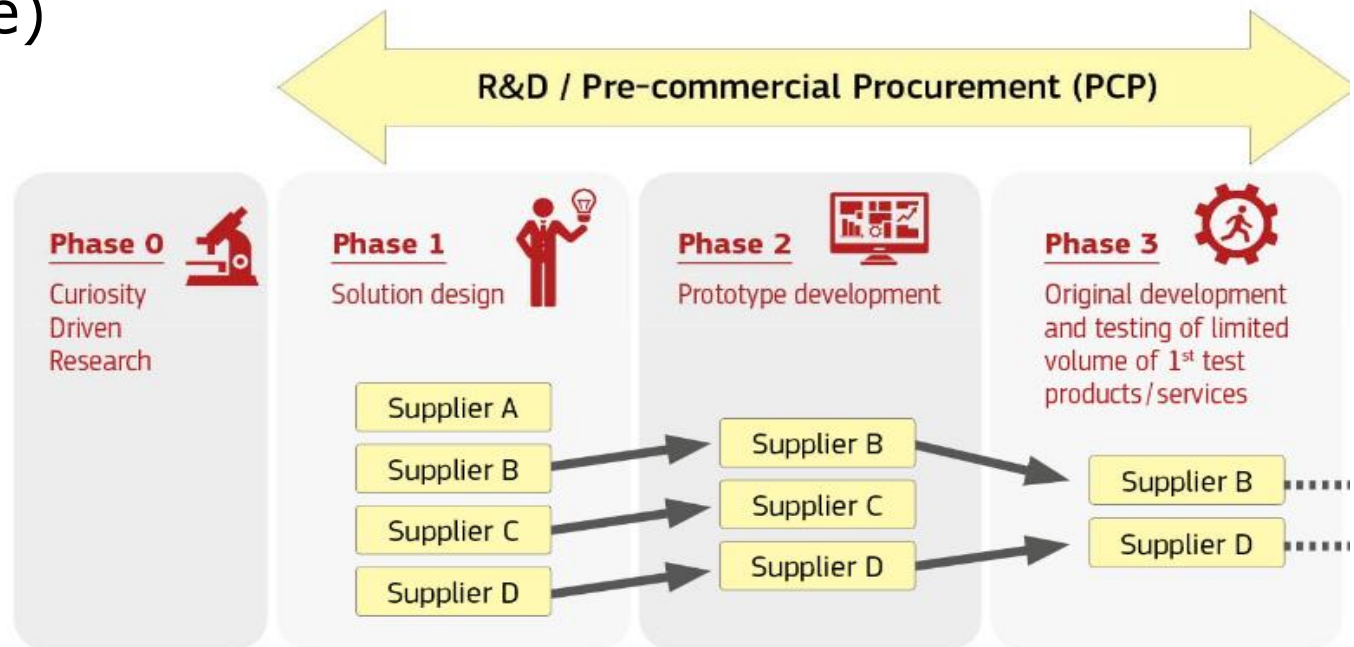


- ❑ Public sector is faced with important challenges
- ❑ Addressing these, often requires public sector transformations
  
- ❑ Sometimes solutions are near the market and would be provided if clear requirements/sufficient demand is expressed by the market
  - **Public Procurement of Innovative Solutions** (PPI)
  
- ❑ In other cases, there is still R&D required to de-risk technology and still competing solution approaches to compare before committing to large scale deployment
  - **Pre-Commercial Procurement** (PCP)

# Pre-Commercial Procurement



- Public sector buys R&D from several suppliers in parallel in form of a competition, comparing alternative solution approaches and evaluating progress after critical milestones (design, prototyping, test phase)

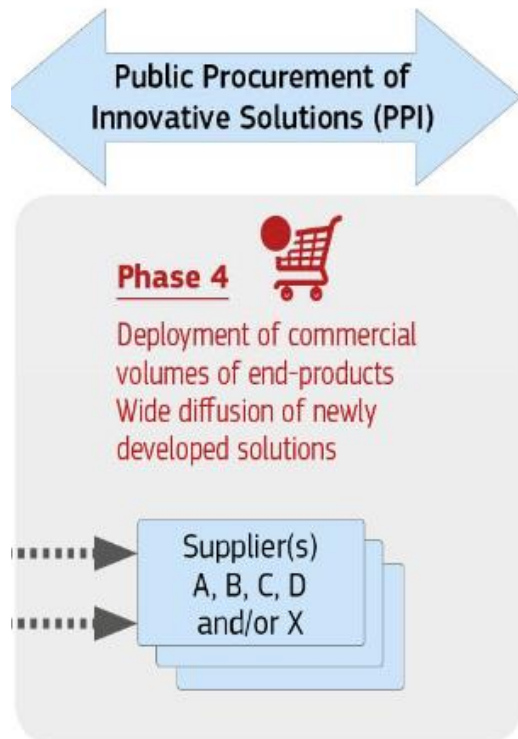


OPF webinar: PCP for the long-term Preservation of Digital Cultural Heritage, 14 June 2016

# Public Procurement of Innovative Solutions



- ❑ Public sector acts as launching customer / early adopter / first buyer for innovative products and services that are newly arriving on the market (not widely commercially available yet)
- ❑ After potentially a test / certification / labelling, the buyers group buys a significant volume of solutions



# H2020 PCP/PPI Funding Instruments



**2016 (~40 M€)**

## PCP actions

- E-health: 18 M€ ([PM-12](#))
- ICT based solutions for any area of public interest: 4 M€ ([ICT-34](#))
- Earth observation: 3 M€ ([EO-2](#))

## PPI actions

- ICTs Ageing: 10,5M€ ([PM-13](#))

**2017 (~84 M€)**

## PCP actions

- Robotics smart cities: 7 M€ ([ICT-27\(d\)](#))
- Soil decontamination: 5 M€ ([SC5-26](#))
- Broadband coms security: 10 M€ ([4-DRS](#))
- Forensics: 10 M€ ([9-FCT](#))
- Border control: 10 M€ ([13-BES](#))

## PPI actions

- E-health standards: 8,26 M€ ([PM-19](#))
- Supercomputing: 26 M€ ([EINFRA-21](#))
- Energy efficiency: part of larger call ([EE-19](#))

## PCP Actions (90% funding rate):

- ❑ Provide EU co-financing for an actual joint PCP procurement + for related coordination and networking activities (e.g. to prepare, manage and follow-up the PCP call for tender)

## PPI Actions (35% funding rate):

- ❑ Provide EU co-financing for an actual joint PPI procurement + for related coordination and networking activities (e.g. to prepare, manage and follow-up the PPI call for tender)

# PREFORMA Project



- ❑ **Pre-Commercial Procurement** project co-funded by the European Commission under FP7-ICT Programme
- ❑ 13 partners: **9 procurers** led by Riksarkivet + **4 technical partners** who assist them in the preparation, running and evaluation of the procurement
- ❑ Expected outcomes:
  - **3 open source conformance checkers** for: electronic documents, still images and AV content
  - **Interoperability mechanisms** allowing the integration of the tools into the legacy systems of the memory institutions and their extension to new formats
  - **Sustainable community** that ensures long-term availability of the software, generates useful feedback for those who control the software and advances improvement of the standard specifications

# Project structure



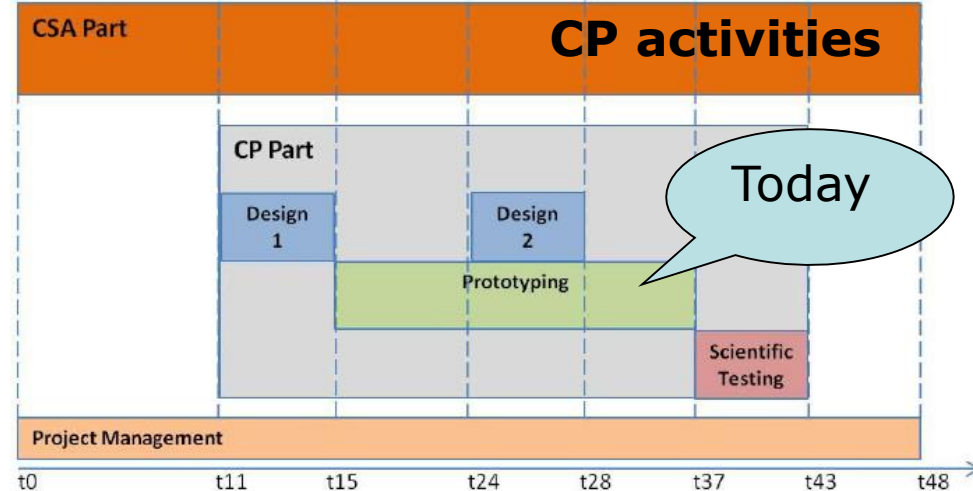
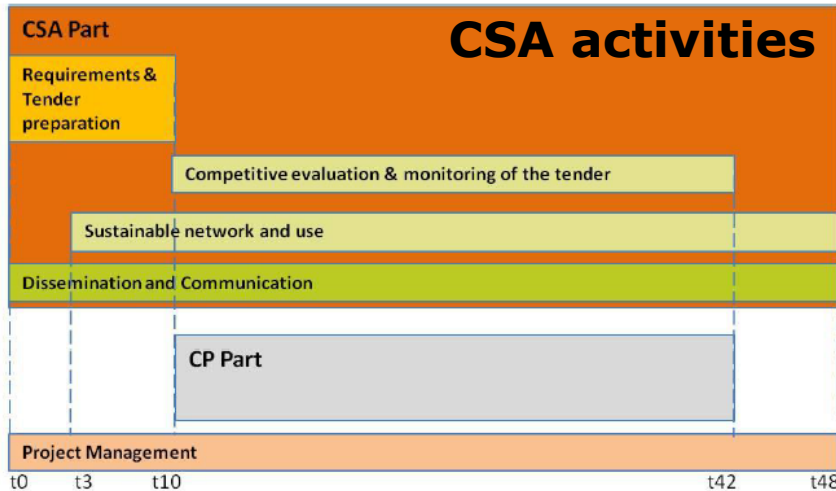
## □ Coordination Activities (CSA)

- Project **management** (leaders: RA and PROMOTER)
- **Monitoring** the tender procedure (leader: UNIPD)
- Defining **functional and performance criteria**, including legal and financial issues (leader: PACKED)
- Set up a wide **network** of stakeholders, memory institutions and research groups (Leader: RA)
- **Disseminate** the outcomes of the tender (leader: PROMOTER)

## □ Collaborative Activities (CP)

- **Design** phase, where the suppliers describe their solutions in terms of detailed functions (leader: FRAUNHOFER)
- **Prototyping** phase, where the suppliers develop prototypes of their solutions, satisfying the agreed functional and performance criteria (leader: RA)
- **Testing** phase, where the prototypes are subjected to scientific testing against the datasets provided by memory institutions (leader: UNIPD)

# Project implementation schedule



- ❑ **Design phase** (4 months): November 2014 – February 2015
- ❑ **Prototyping phase** (22 months): March 2015 – December 2016
  - First prototypes: March 2015 – October 2015
  - Re-design: November 2015 – February 2016
  - Second prototype: March 2016 – December 2016
- ❑ **Testing phase** (6 months): January 2017 – June 2017



# Lesson Learned 1



## The added value of working together

- ❑ Working together for the implementation of a **joint procurement** proved to be a good practice for memory institutions, as it leads to a clearer definition of the requirements and to a better control on the process as a whole and particularly on the results
  
- ❑ The combination of **different expertise** represents an added value for the project
  - **Memory institutions** are in charge of defining the requirements, starting from what they actually need
  - **Academic partners** support the memory institutions with scientific and technological advice
  - **Technical partners** provide their legal and management expertise to implement and monitor the tender process

# Lesson Learned 2



## Avoid self-referential approaches

It is important to involve **experts outside the project**, to ensure a wider impact beyond the project itself:

- The **Advisory Board** contributes to the definition of the challenge
- The **External Evaluators** complement the expertise of the partners
- The **External Experts in law and procurement procedures** help in avoiding formal and/or legal issues in the preparation of the PCP
- The **Associate Partners and Projects** participate in the activities of the project, help in promoting the results and contribute to the establishment of a sustainable community
- **Public events**, and **public presentations** spread the knowledge all around the EU and create an open dialogue with all interested parties

# Lesson Learned 3



## Sound management and reliable procedures

To ensure the smooth progress of the PCP, it is necessary to establish a **good management structure** made of:

- Different **roles/expertise**: general project coordinator, technical coordinator, scientific coordinator, legal advisor, expert on licensing and open source, communication manager
- Clear and precise **procedures**: they should be established and agreed in advance, particularly for the monitoring, assessment and evaluation of the results of each phase
- **Tools** to allow an easy and fruitful collaboration, e.g. mailing lists, documental repository, virtual room, etc.
- Exact **scheduling** of each phase to offer a sound reference to the suppliers

# Lesson Learned 4



## Methodologies and Best Practices

- The PCP instrument is still novel. A two-way channel of communication with EC and other projects is important to re-use existing knowledge coming from previous projects and to provide back experience to others:
  - Re-use standard **methodologies** for the evaluation of the results of the PCP, e.g. those used by the **EU** (individual evaluations followed by consensus meeting, hearings and eventual panel meetings)
  - Re-use **best practices from other PCP projects**, e.g. templates for the Framework Agreement and the Tender Form
  - Share the experiences gathered in the project with other PCP, for example participating in the annual concertation meetings

# Thank you!



## Contacts

Project Coordinator:  
Borje Justrell, Riksarkivet  
[borje.justrell@riksarkivet.se](mailto:borje.justrell@riksarkivet.se)

Technical Coordinator:  
Antonella Fresa, Promoter Srl  
[fresa@promoter.it](mailto:fresa@promoter.it)

Communication Manager:  
Claudio Prandoni, Promoter Srl  
[prandoni@promoter.it](mailto:prandoni@promoter.it)