Factories of the Future: Impact (FoF-Impact)

CSA Project

First Strategic Workshop – “Paving the way to effective clustering towards exploitation & dissemination of FoF project results”, 1-2 July 2015

FoF-Impact

Supported by the European Commission through the Factories of the Future PPP (Grant Agreement Number 637212)

FoF-Impact project participants

EFFRA
EUROPEAN FACTORIES OF THE FUTURE RESEARCH ASSOCIATION

AGORIA
no future without technology

CRIT
Scouting your next technology

LMS
Laboratory for Manufacturing Systems & Automation
University of Patras

MONDRAGON
HUMANITY AT WORK
Finanzas
Industria
Distribución
Conocimiento

swerea|IVF

tecnalia

TWI

VDMA

Supported by the European Commission through the Factories of the Future PPP (Grant Agreement Number 637212)

What are the project success factors for successful exploitation of project results in the context of the FoF PPP?

Project Success Factors

- Project team
  - Success factor 1
  - Success factor 2
- Market aspects / upscaling
- IP Management
- Outreach for feedback
- Visibility

Not starting from scratch:

FoF-Impact

Supported by the European Commission through the Factories of the Future PPP (Grant Agreement Number 637212)

What are the project success factors in the context of the FoF PPP?

Project Success Factors

- Project team
  - Success factor 1
  - Success factor 2
- Market aspects / upscaling
- IP Management
- Outreach for feedback
- Visibility

Not starting from scratch:

FoF-Impact

Technology Transfer Experts Roundtable
4 June 2015 , Brussels

FoF-Impact consortium

First draft of success factors

Preliminar rating of relevance in the three phases (0=low relevance, 2 = high relevance)				
Relevance before a FoF-project	Relevance during a FoF-project	Relevance after a FoF-project	Success category	Success factor
2	2	2	IP Management	Through non-disclosure, consortium members are obliged to keep sensitive information confidential and ensure any disclosure of such information is done in confidence and with prior permission.
2	2	1	IP Management	The IP rules take into account the mission and legitimate interests of both public research institutes and participating industrial partners.
1	2	2	IP Management	An analysis of intellectual asset portfolios is performed, and programs for their monitoring and enforcement are developed and implemented. Capture and manage critical IP portfolio using ICT-tools for IP-intelligence in order to sustain vaule of IP and protect existing IP investments.
1	2	2	IP Management	Once the decision has been made to proceed with IP protection, an IP lawyer or attorney is professionally engaged to assist with the formal protection and advisory work.
0	2	1	IP Management	By the beginning of the prototyping activity, proprietary control via patent or other IP protection mechanisms is established.
2	2	1	IP Management	Internal procedures: The maintenance of systematic records of all developmental or experimental work is performed and Internal procedures are established to review organisational publications.
			Market knowledge	Both technology push and market pull are present simultaneously, i.e., there is a clear demand/market for the

Taking into account work from:

Supported by the European Commission through the Factories of the Future PPP (Grant Agreement Number 637212)

First draft of success factors

Project Success Factors

- Project team
  - Success factor 1
  - Success factor 2
- Market aspects / upscaling
- IP Management
- Outreach for feedback
- Visibility

Preliminar rating of relevance in the three phases (0=low relevance, 2 = high relevance)

Relevance before a FoF-project	Relevance during a FoF-project	Relevance after a FoF-project	Success category	Success factor
2	2	2	IP Management	Through non-disclosure, consortium members are obliged to keep sensitive information confidential and ensure any disclosure of such information is done in confidence and with prior permission.
2	2	1	IP Management	The IP rules take into account the mission and legitimate interests of both public research institutes and participating industrial partners.
1	2	2	IP Management	An analysis of intellectual asset portfolios is performed, and programs for their monitoring and enforcement are developed and implemented. Capture and manage critical IP portfolio using ICT-tools for IP-intelligence in order to sustain vaule of IP and protect existing IP investments.
1	2	2	IP Management	Once the decision has been made to proceed with IP protection, an IP lawyer or attorney is professionally engaged to assist with the formal protection and advisory work.
0	2	1	IP Management	By the beginning of the prototyping activity, proprietary control via patent or other IP protection mechanisms is established.
2	2	1	IP Management	Internal procedures: The maintenance of systematic records of all developmental or experimental work is performed and Internal procedures are established to review organisational publications.
			Market knowledge	Both technology push and market pull are present simultaneously, i.e. there is a clear demand/market for the

Projects' info & projects' outcome

Project description

- Challenges
- Technologies
- Approach
- Participants
- Application areas
- …

Project results and demos

- Result 1
- Result 2
- Result 3
- Demo 1
- Demo 2

Factories of the Future
Public Private Partnership

Analysis of FoF Projects

- Fine-tune success factors
- Evaluate relevance and importance of specific success factors
- Develop cases that illustrate
  - the importance of success factors
  - how to address them in practice

FoF-Impact

(Grant Agreement Number 637212)

Project Success Factors

- Project team
  - Success factor 1
  - Success factor 2
- Market aspects / upscaling
- IP Management
- Outreach for feedback
- Visibility

Organisations offering additional support

- Assistance in IP management, market knowledge, networking/clustering/brokerage, accessing demonstration and testing facilities…
- Financial support
  - Research & innovation grants (European & National Regional programmes)
  - Private Investors
  - Loans

Further uptake of project results through National/Regional Research & Innovation programmes?

Learn from their technology transfer approaches and experience

Where to find help?

Look also beyond Europe

European IPR Helpdesk

services | news | events | library | training | ambassador | helpline

enterprise europe network
Business Support on Your Doorstep

MADE DIFFERENT
FACTORIES OF THE FUTURE

CATAPULT
High Value Manufacturing

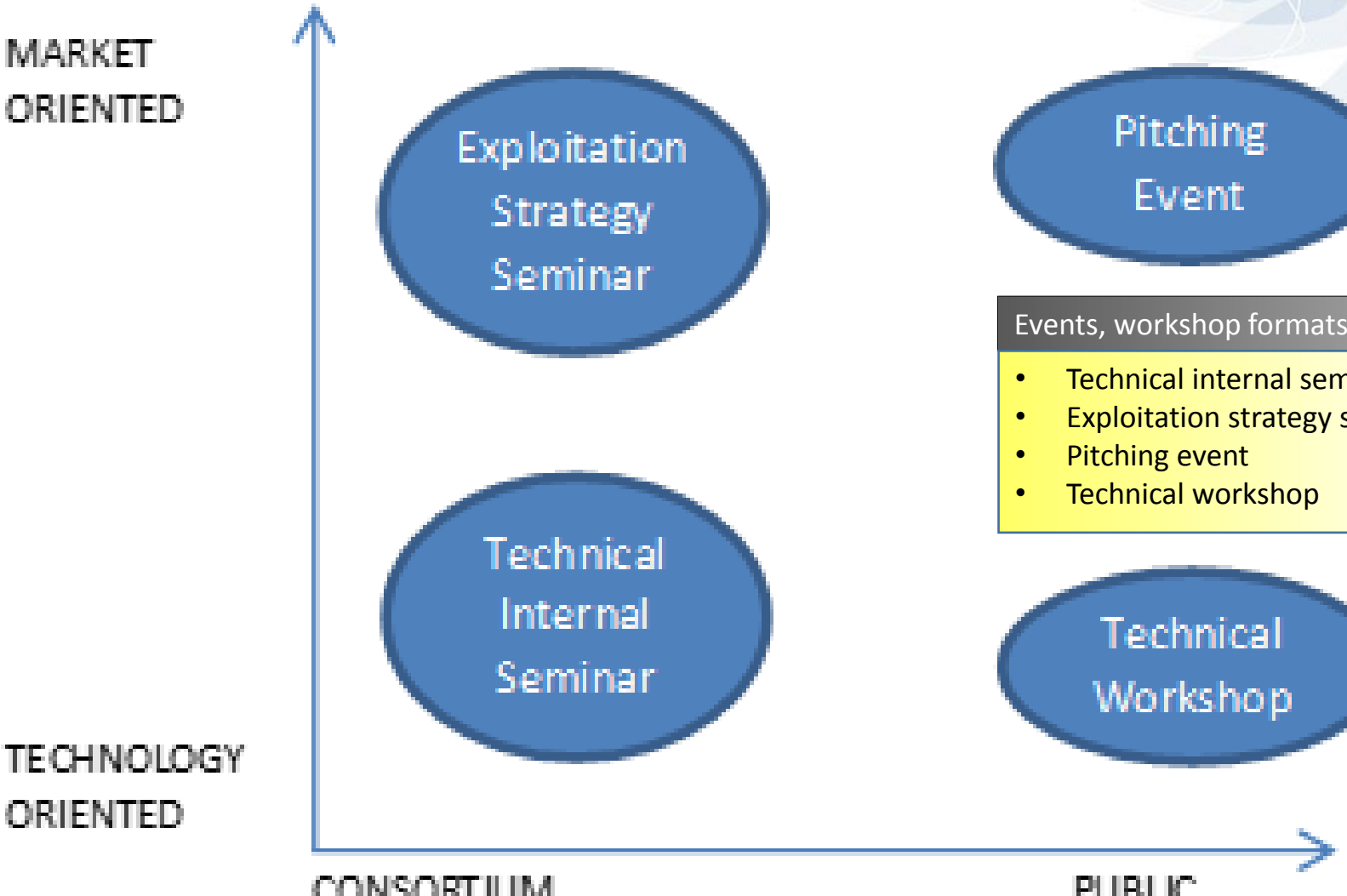
KIAT
The Korea Institute for the Advancement of Technology

PRODUKTION2030

…….

FoF-Impact

Supported by the European Commission through the Factories of the Future PPP (Grant Agreement Number 637212)



Events, workshop formats

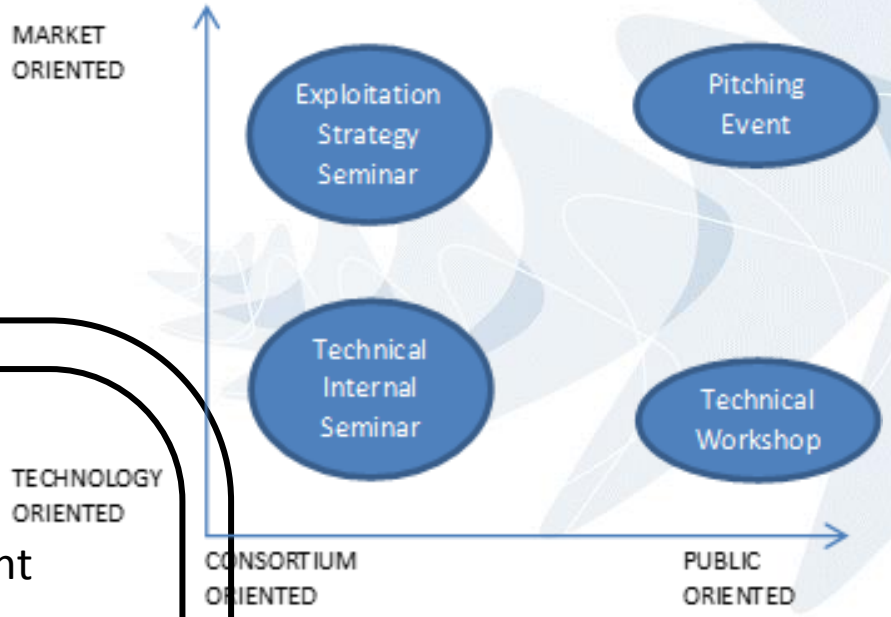
- Technical internal seminar
- Exploitation strategy seminar
- Pitching event
- Technical workshop

FoF-Impact

(Grant Agreement Number 637212)

Project Success Factors

- Project team
  - Success factor 1
  - Success factor 2
- Market aspects / upscaling
- IP Management
- Outreach for feedback
- Visibility



The right event/workshop at the right time in support of the right success factors

Events, workshop formats

- Technical internal seminar
- Exploitation strategy seminar
- Pitching event
- Technical workshop

Projects' info & projects' outcome

Project description

- Challenges
- Technologies
- Approach
- Participants
- Application areas
- …

Project results and demos

- Result 1
- Result 2
- Result 3
- Demo 1
- Demo 2

FoF-Impact

(Grant Agreement Number 637212)

Bilateral assistance formats:

Assistance and coaching of the project throughout the project (and even post-project if required)

Extended role of Protect Technical Advisor / Reviewer?

Project Success Factors

- Project team
  - Success factor 1
  - Success factor 2
- Market aspects / upscaling
- IP Management
- Outreach for feedback
- Visibility

Projects' info & projects' outcome

Project description

- Challenges
- Technologies
- Approach
- Participants
- Application areas
- …

Project results and demos

- Result 1
- Result 2
- Result 3
- Demo 1
- Demo 2

Events, wo op formats

- Techni nternal seminar
- Exploit n strategy seminar
- Pitchin ent
- Techni vorkshop

Bilateral assistance formats

- First line
- Second line

FoF-Impact

ant Agreement Number 637212)

Factories of the Future
Public Private Partnership

Project KPIs required for yearly progress report of the FoF PPP as a whole:

- Avoid administrative burden and double effort
- Use reporting to offer better support to the projects

Projects' info & projects' outcome

Project description

- Challenges
- Technologies
- Approach
- Participants
- Application areas
- …

Project results and demos

- Result 1
- Result 2
- Result 3
- Demo 1
- Demo 2

Project KPIs

- Patents
- New products
- New product capabilities
- New technologies
- Energy consumption
- …

Factories of the Future
Public Private Partnership

European Commission

EFFRA
EUROPEAN FACTORIES OF THE FUTURE RESEARCH ASSOCIATION

Already deployed by EFFRA: Data collection and dissemination through Innovation Portal

Project search

Are you involved in a Factories of the Future project? Then please make sure that your project is mapped.

Find and sort

Search character string in acronym | Free text (project summary) | Sort by: acronym | Sort order: Ascending

Call topic | Instrument

Impact Workshop Area | Programme: Fo… - Factories of the Future

clustering
standardisation
international
spin-offs
patents

Submit

Pages:: 1

Result of your query: 8 Projects

New project

Project Acronym	Title	Project end date	website	EC contribution	Duration
COMET	Plug-and-produce COmponents and METhods for adaptive control of industrial robots enabling cost effective, high precision manufacturing in factories of the future	2013-02-28	www.cometproject.eu	5,300,000	30
	Results & demonstrators published	Results published: 7 | Demontrators published: 6			
	Spin-offs/Start-ups	- http://www.cognibotics.com/ Related to project result ***'Device to obtain the kinematic and dynamic models for industrial robots'*** More...			
COMVANTAGE	Collaborative Manufacturing Network for Competitive Advantage	2014-08-31	www.comvantage.eu	7,339,000	36
	Results & demonstrators published	Results published: 6 | Demontrators published: 6			
	Spin-offs/Start-ups	- A spinoff is currently in setup phase by one partner of the ComVantage project Related to project result ***'Flexible workflow runtime for agile business environments'*** More...			
	cess pLAnning system	2014-10-16	www.eneplan.eu	4,999,887	36
	Results & demonstrators published	Results published: 29 | Demontrators published: 14			
	Spin-offs/Start-ups	- . Related to project result ***'Laser Machining process simulator module (theoretical model)'*** More...			
	Printer for Glass Microsystems with	2013-04-30	www.femtoprint.eu	2,493,468	36
	Results & demonstrators published	Results published: 1 | Demontrators published: 1			
	Spin-offs/Start-ups	- Femtoprint (R) http://www.femtoprint.ch/ - 3D printing for glass microdevices Related to project result ***'FEMTOPRINT® solution for the production of 3D micro- and nano-devices in transparent substrate.'*** More...			
	the Smart Factory of the Future	2014-05-31	www.fofdation-project.eu	6,659,910	48
	Results & demonstrators published	Results published: 19 | Demontrators published: 18			
	Spin-offs/Start-ups	- http://www.sigmatools.ch/ Related to project result ***'FoF-EMon'*** More... - Olanet Sold to Ibermatica http://www.ibermatica.com/en Related to project result ***'Smart Manufacturing Execution System'*** More...			
PHOCAM	Photopolymer based customized additive manufacturing technologies	2013-05-31	www.phocam.eu	2,455,362	36

Projects' info & projects' outcome

Project description

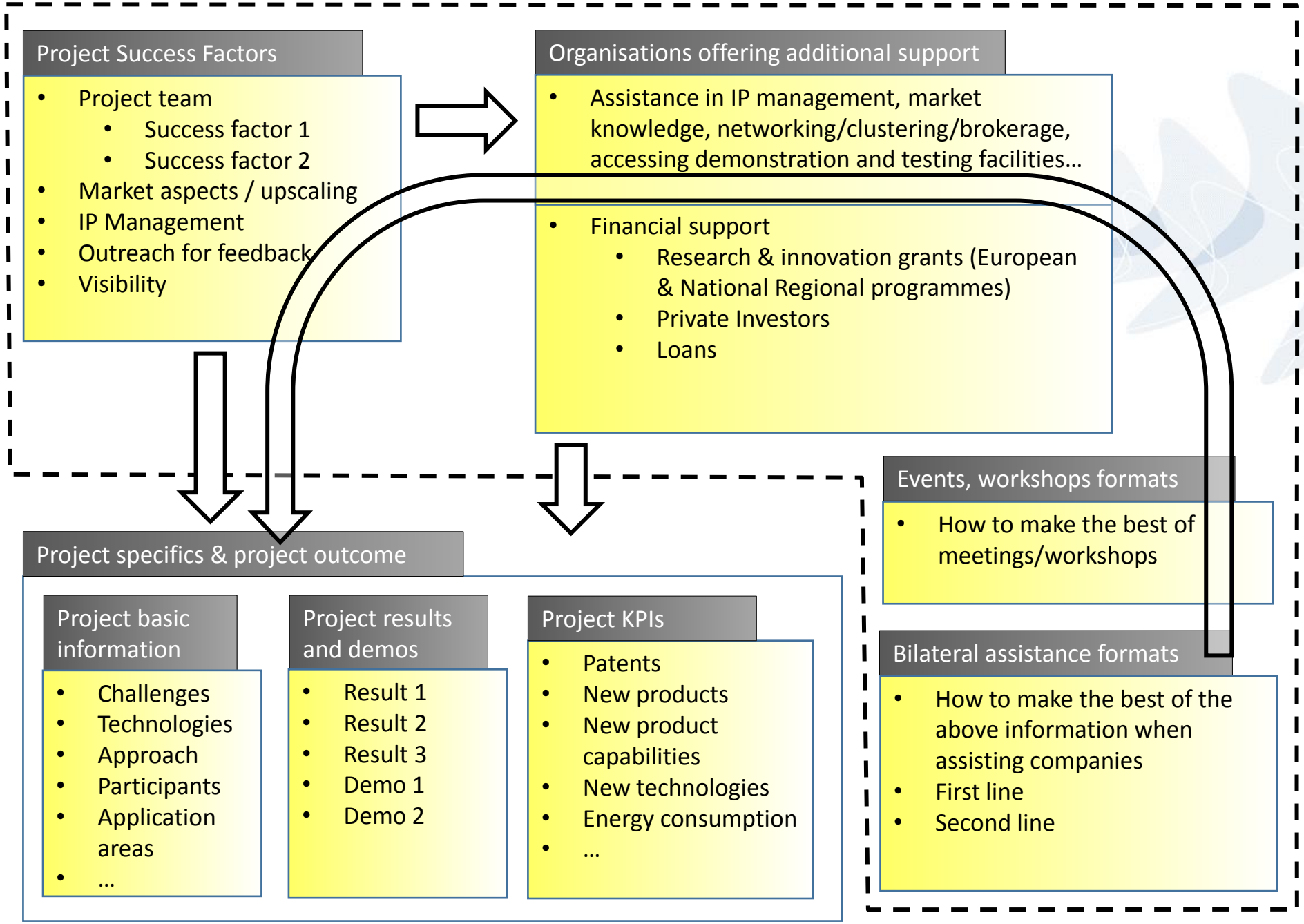
- Challenges
- Technologies
- Approach
- Participants
- Application areas
- …

Project results and demos

- Result 1
- Result 2
- Result 3
- Demo 1
- Demo 2

Project KPIs

- Patents
- New products
- New product capabilities
- New technologies
- Energy consumption
- …



Focus of FoF-Impact

Essential Architecture of exploitation toolkit

Address project success factors systematically during whole life-cycle of FoF Projects

Associate supporting organisations to success factors and stimulate support to the projects

Associate workshop/event formats to success factors and stimulate workshop and event participation

Integration within EFFRA Innovation Portal

Outlook

- Analyse FoF projects based on first version of success factors
  - Fine-tune success factors/ Evaluate relevance and importance
  - Develop cases that illustrate the importance of success factors and how to address them in practice
- Continue learning from technology transfer practices of identified organisations
  - First round-table with experts done in June 2015
  - Wider consultation end 2015
  - Second round-table/workshop : end of January – beginning February – extension of external advisory group
- Develop formats for workshops and bilateral assistance
  - First version by November 2015

FoF-Impact

Supported by the European Commission through the Factories of the Future PPP (Grant Agreement Number 637212)

Thank You

www.effra.eu/impact

First Strategic Workshop – “Paving the way to effective clustering towards exploitation & dissemination of FoF project results”, 1-2 July 2015

FoF-Impact

Supported by the European Commission through the Factories of the Future PPP (Grant Agreement Number 637212)