

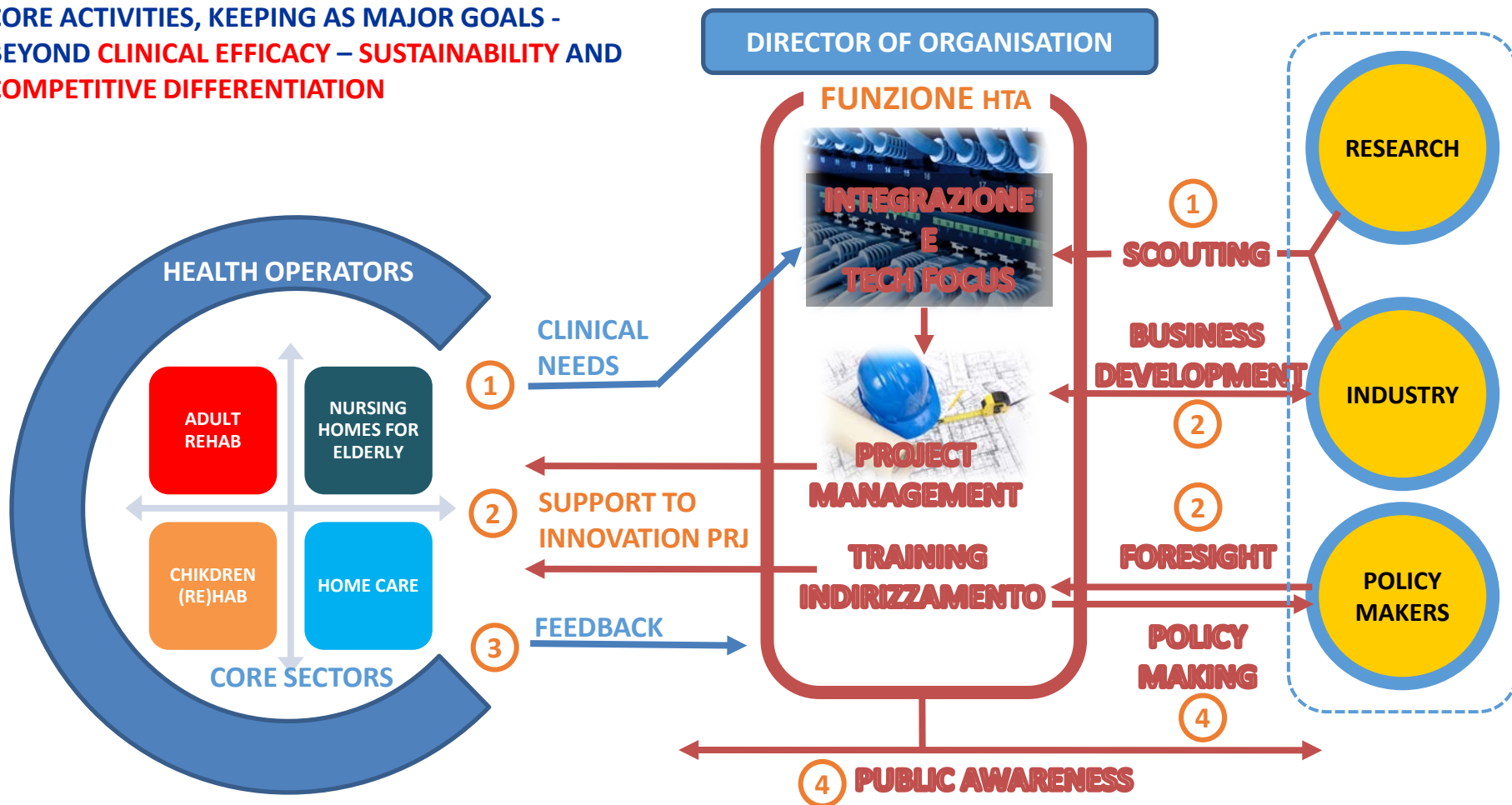


FDG strategy on health technology

IRCCS Fondazione Don Carlo Gnocchi
Furio Gramatica, Health Technology Assessment
16/11/2016

HTA AT FDG – GOAL AND WORKFLOW

GOAL: TO ADOPT **TECHNOLOGIES** ABLE TO SUPPORT CORE ACTIVITIES, KEEPING AS MAJOR GOALS - **BEYOND CLINICAL EFFICACY – SUSTAINABILITY AND COMPETITIVE DIFFERENTIATION**



A BOTTLENECK IN TREATMENT APPROPRIATENESS IN CHRONICITY: *patient is a moving target*

**BUT: how can we know
where we are and
when to change?**



TIME: TREATMENT EFFECTS CAN CHANGE DURING
PATIENT'S HISTORY (dynamic fine tuning)

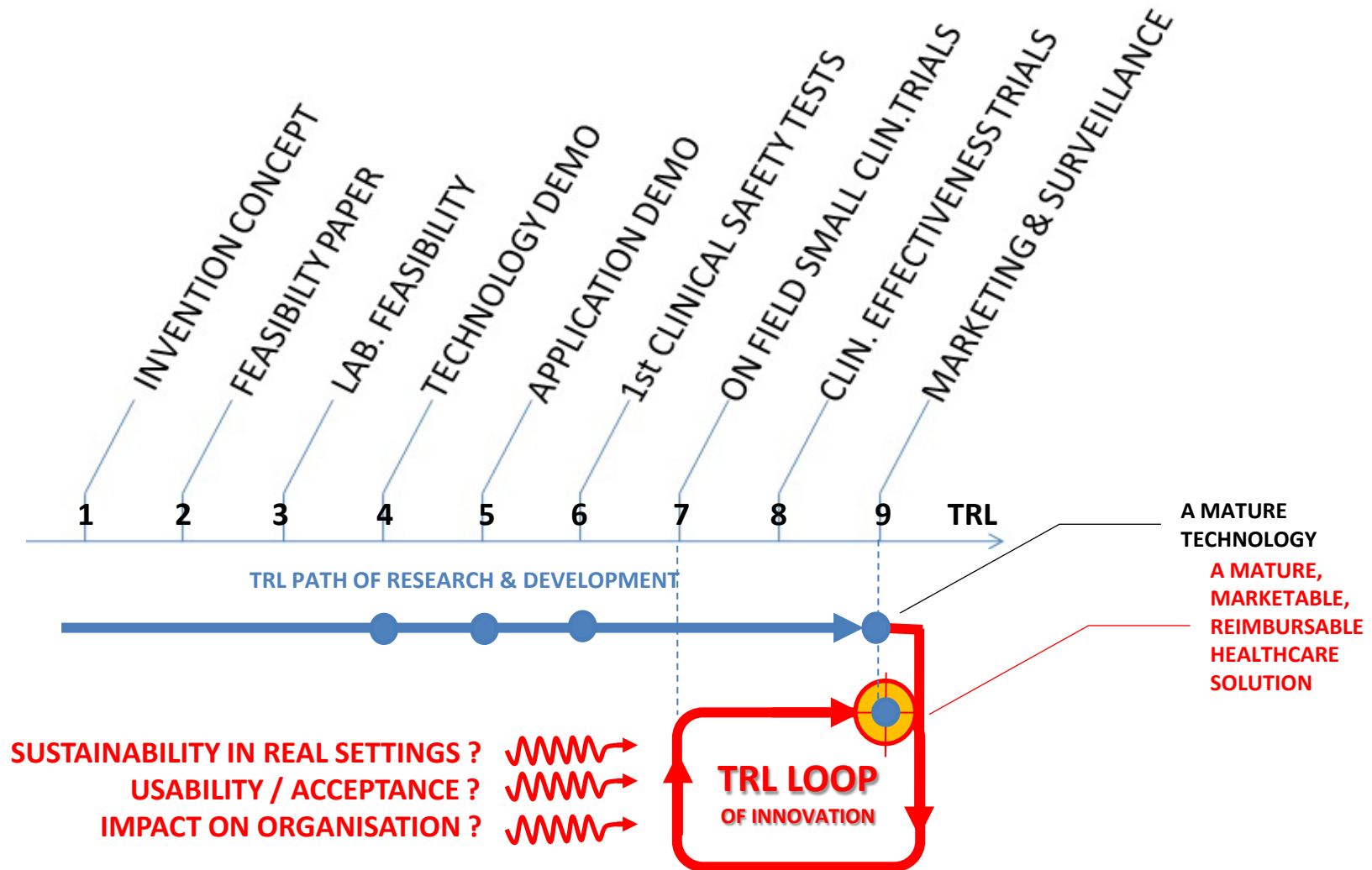


DIVERSITY:
DIFFERENT
PATIENTS CAN
REQUIRE
DIFFERENT
TREATMENTS
(take even non-
clinical factors
into account)

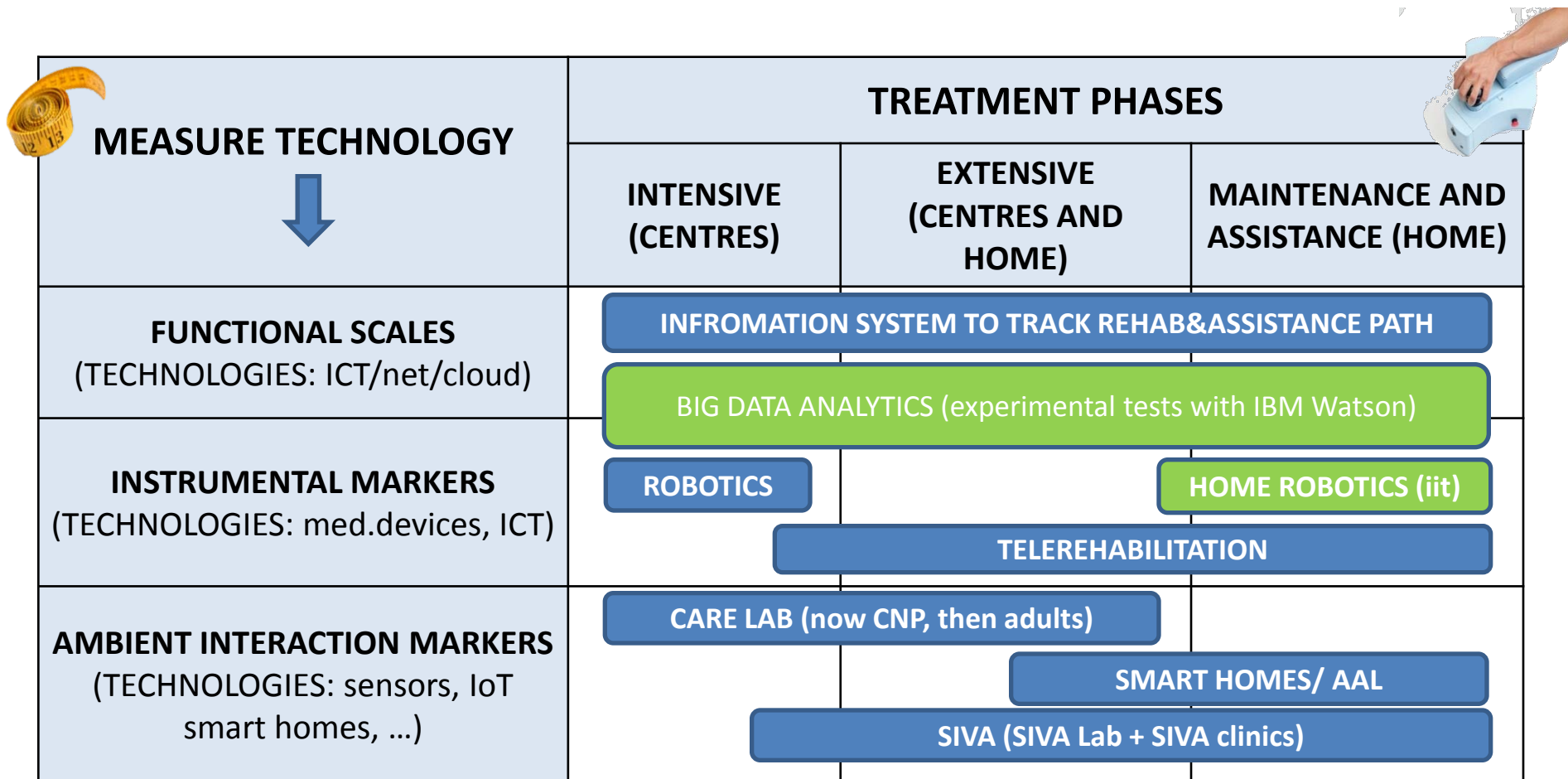


WE NEED TECHNOLOGY-ENABLED, EFFECTIVE INNOVATION

Making a product become a solution the TRL loop of innovation



A LEADING ROLE FOR RESEARCH AND CARE HOSPITALS (IRCCS)

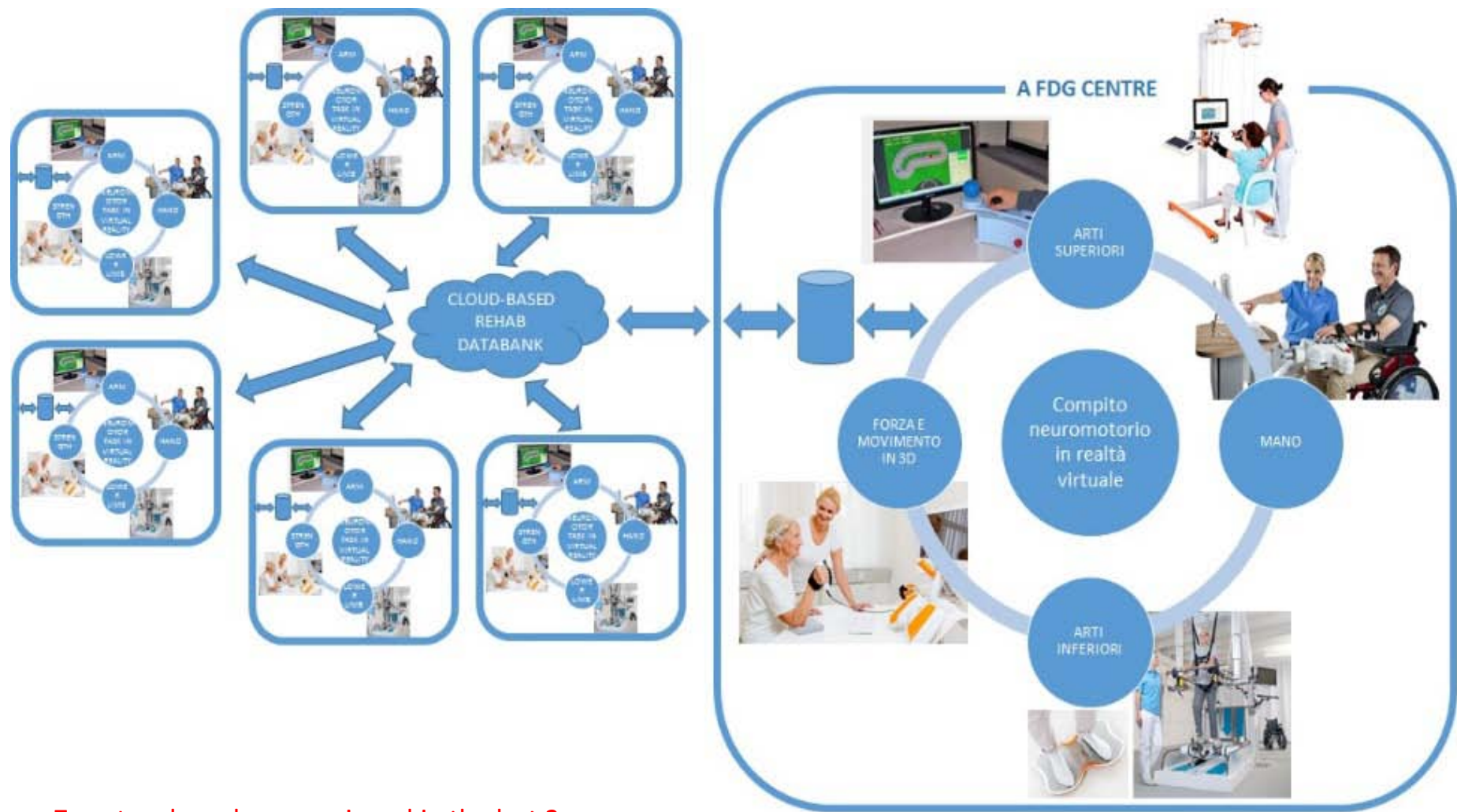


COLOURS CODE:

CLINIC / CLINICAL TESTS

RESEARCH

ROBOTICS SETUP IN FDG SO FAR



- 7 centres have been equipped in the last 2 years
- 1 multicentric study is ending soon, on efficacy and effectiveness of robotic rehab (100+ patients)
- 3,5 million patient accesses/yr is the FDG potential

TELEREHABILITATION EXPERIMENTAL SETUP IN FDG

- Audio-video connection between patient(s) and therapist
- Modular approach respect to incoming new technologies on the market



- **Business model SSR:** max BoM cost at patient's home: 1500€; 7 days of tech permance; 1:2 treatments; discount on reimbursement;
- **We're opening collaboration tables** with Regional governments (Piemonte, Basilicata, Lombardia)

The European effort

THE ESTHER PROGRAMME:
AN INDUSTRY-DRIVEN INITIATIVE
ON EMERGING AND STRATEGIC TECHNOLOGIES
FOR HEALTHCARE

Challenges

(Junker, Moedas, Öttinger)



- High difficulties for SMEs to access market
- Leakage of start-ups to USA
- Adaptation to the new EU regulatory framework (June 2016)
- Digitization of healthcare
- New business models for healthcare industries and insurances (or healthcare systems)

Obiettivi di ESTHER

(Formulati dalla task force dell'iniziativa e condivisi dalla Commissione)

- Improve the quality of healthcare with smart medical technologies
- Increase the competitive ability of EU medtech, in a changing regulatory environment
- Reinforce the innovative strength of the EU medical technology research

ESTHER Task Force

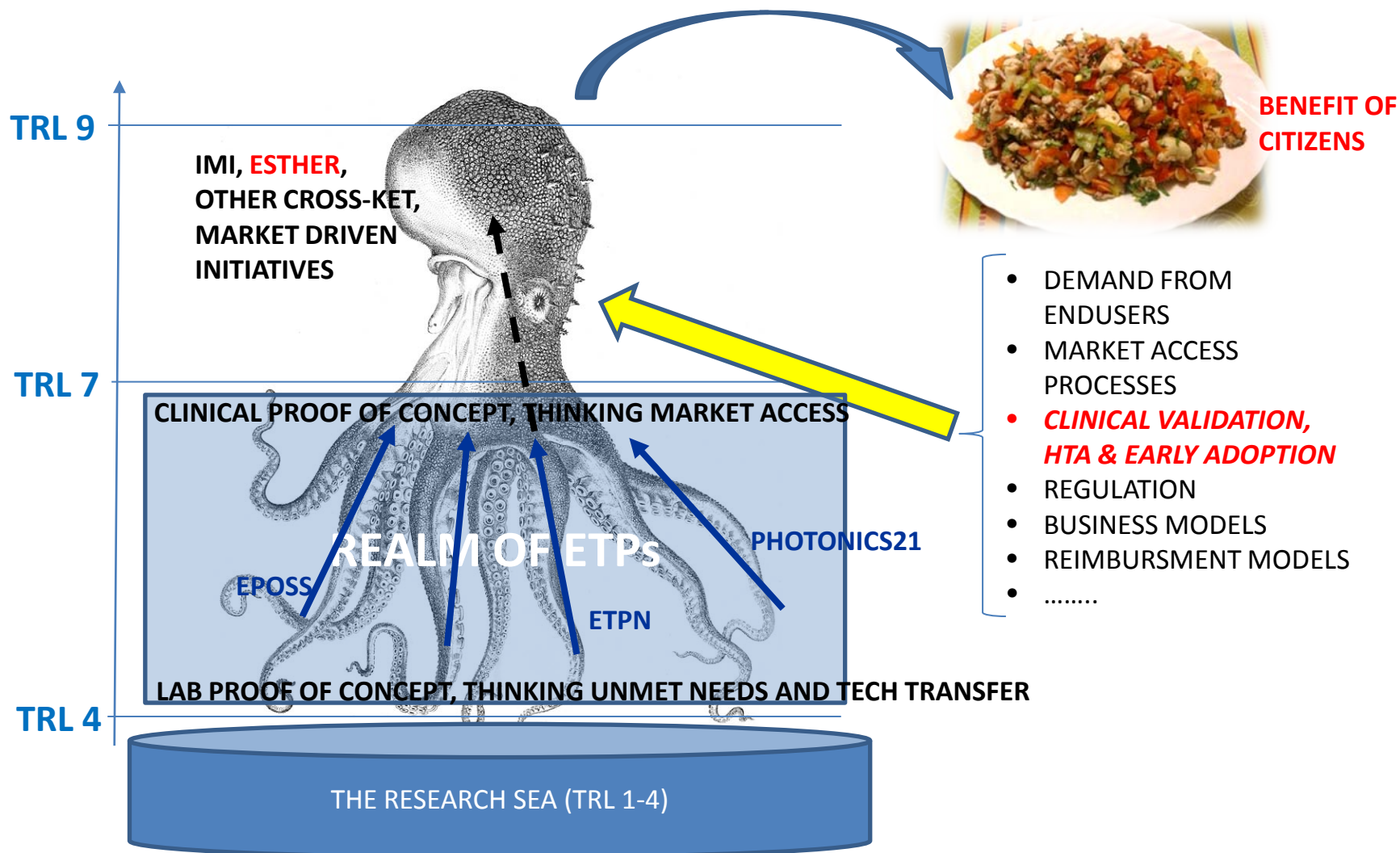


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ESTHER TENTATIVE BUDGET

Priorities	Sub-priorities	#	Actions	Funding source	DG	Instrument	2016	2017	2018	2019	2020	2021	2022	2023	Total
R&D&i (Open science) to realise a connected digital healthcare market by developing smart medical technologies	Prioritisation of R&D topics	1	Elaboration and update of SRIA	LEIT	CNECT, RTD	CSA	0,2		0,2		0,2		0,2		0,8
		2	Support to multi-KETs R&D collaborative projects	LEIT, SC1	CNECT, RTD	RIA, IA		150	200	200	200	300	300	300	1650
	Excellence in science	3	Support to individuals and networks in KETs applied to smart medtech	ERC, MSCA, FET	ERC			100	100	200	200	200	200	200	1200
Translation hub (Open innovation) to accelerate the industrial deployment of key enabling technologies in smart medical systems	Access to risk finance	4	EIB : Loan, Equity, InnovFin, ESFI	EIB					100	100	200	300	400	400	1500
		5	Set-up the bases of the development of Important Projects of Common European Interest IPCEI in medical technologies		GROW			0,2	0,2	0,2	0,2	0,2	0,2	0,2	1,4
		6	Access to Public Procurement		RTD	RIA, IA			20		20		20		60
	Innovation in SMEs	7	Improving knowledge about market access conditions for SMEs	ESTHER	RTD	CSA		0,5	0,5	0,5	0,5	0,5	0,5	0,5	3,5
		8	Integration of ESTHER priorities into EIT Health	EIT	EAC			10	10	10	10	10	10	10	70
		9	Set-up and run a Translation Advisory Board	ESTHER	RTD	CSA	0,5	1	1	1	1	1	1	1	7,5
	Regional clusters (implementation)	10	Network of smart medtech regional clusters (incl. Mapping and interfacing) ; Exchange of good practices among regional clusters	Spreading Excellence	REGIO	ESIF		0,3	0,3	0,3	0,3	0,3	0,3	0,3	2,1
		11	Support to infrastructures of European interest	INFRA	RTD	ESIF, INFRA		20		20		20		20	80
		12	Regional support to clusters/infrastructures	ESIF	REGIO		5	10	20	40	40	40	40	40	235
		13	Start-ups Catapultor	COSME	GROW			50	40	40	40	40	40	40	290
	Regulation of medtech	14	Linking with regulators, HTAs and payers	COSME	GROW	CSA			0,2	0,2	0,2	0,2	0,2	0,2	1,2
		15	Training of specialised personnel on regulation		EAC		0,1		0,1		0,1		0,1		0,4
		16	Definition of topics and support to regulatory science projects		GROW			0,2	5	5	5	5	5	5	30,2
		17	Easier access for SMEs to the regulatory system	COSME	GROW				10	10	10	10	10	10	60
Internationalisation (Open to the world) to make Europe a stronger global actor	Keep Europe attractive for smart medtech companies	18	Benchmark and monitoring of US and Asian regulations for EU exports	COSME	GROW	CSA	0,4		0,5	0,5	0,5	0,5	0,5	0,5	3,4
	Disseminate European excellence in smart medtech	19	Set-up training networks for exchange of personnel between Europe and Emerging Economies	Marie-Curie-Sklodowska Actions		MSCA		2	2	2	2	2	2	2	14
Operating ESTHER		20	Operating ESTHER Association and partnership with EC	Medtech-Eur			0,5	0,5	0,5	0,7	0,7	0,7	0,7	0,7	5
							6,2	344,2	510	629,7	730	929,7	1030	1129,7	5215

A RELEVANT INVESTMENT BY THE EUROPEAN COMMISSION

THANK YOU

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CLOSE TO LIFE, **ALWAYS.**

