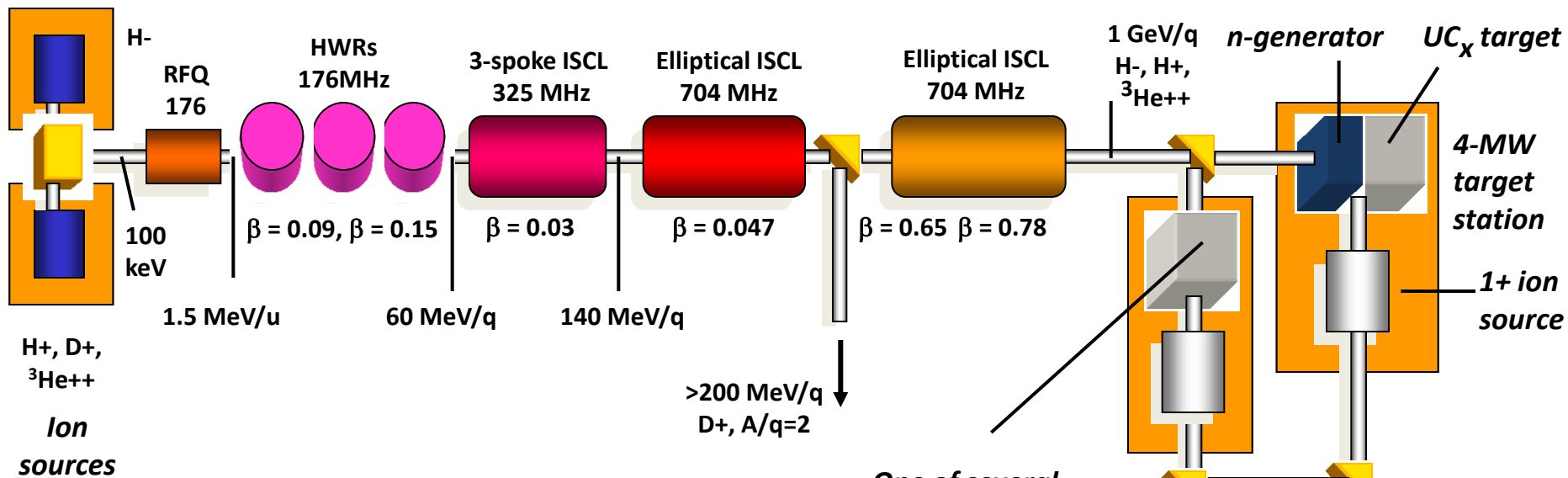


EURISOL-NET in ENSAR

EURISOL-DS: 2005-2009

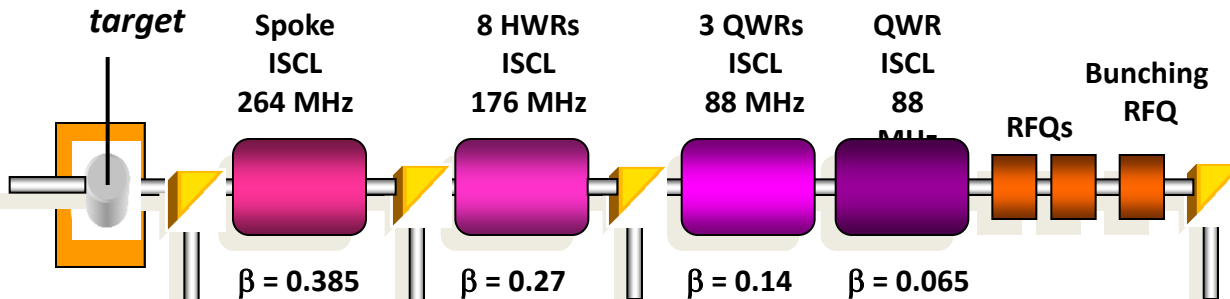




A possible schematic layout

for a EURISOL facility

Secondary fragmentation target



20-150 MeV/u (for ¹³²Sn)
9.3- 62.5 MeV/u
2.1-19.9 MeV/u

To high-energy experimental areas

To medium-energy experimental areas

To low-energy areas

Low-resolution mass-selector

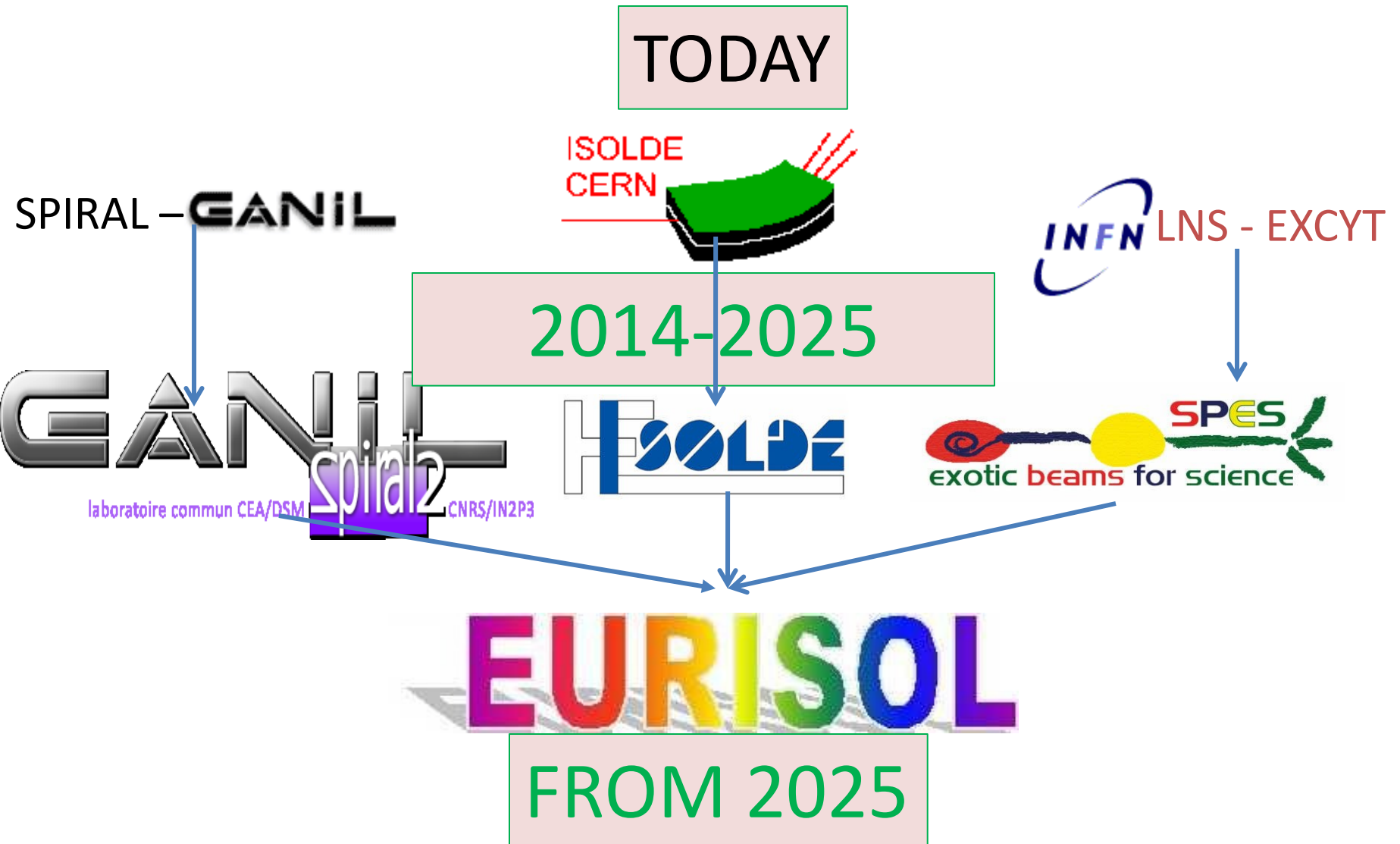
Charge selector

Charge breeder

high-resolution mass-selector

EURISOL

ISOL Roadmap in EUROPE



Timescale for EURISOL

- 2001-2004: EURISOL RTD (5th Framework)
- 2005-2009: EURISOL Design Study (6th framework)
- 2010-2013 : Transition period; contacts with funding agencies and political bodies
- 2013 : Application to be included in ESFRI list (support from NuPECC & LRP necessary)
- 2013 : Call for preparatory phase
- 2014-2017 : EURISOL Preparatory Phase
- 2017-2019 : Preparation of TDR
- 2020-2025 : Construction
- 2025 : First Beam

The Transition Period (2010-2013)

- **The EURISOL project office**
(Y Blumenfeld *chair*, A Facco, M Lewitowicz, P Van Duppen)
setting up the EURISOL collaboration: (MOU in preparation)
- **The EURISOL User Group** (A. Bonaccorso *chair*) + elected executive committee
 - Organizes topical meetings and town meetings in collaboration with EURISOL-NET
 - Catania Dec. 2009: Structure of r-process nuclei
 - Valencia Feb. 2011: Neutron-deficient nuclei
 - **Lisbon, fall 2012: Town meeting + topical meeting on Light nuclei.**
- **The EURISOL-NET Network in ENSAR** (105 k€; Y. Blumenfeld *leader*)
 - Task 1 : Coordination of R&D (Y. Kadi *leader*): First workshop at CERN 27-28 June 2011
 - Task 2: Physics and Instrumentation (A. Bonaccorso *leader*)
- **Requests to NuPNET for R&D through national funding agencies**
 - *3 projects requested for 1.25 MEuros (Accelerators, targets and charge breeders)*
- **Liquid metal loop test:** *In discussion between CERN, ESS, MYRRHA, CEA, PSI...*
- **Workpackage in TIARA: prepare R&D platforms**



Tiara



Test Infrastructure and Accelerator Research Area

The main objective of TIARA is the integration of national and international accelerator R&D infrastructures into *a single distributed European accelerator R&D facility*.

Workpackage 9:



Test Infrastructure for High Power
Accelerators Components

TIHPAC

Addressing two major technical issues before launching the construction of **EURISOL**:
i) the development of high power target and ii) low beta superconducting accelerating structures. The objective of this Work Package is to coordinate the design of the corresponding test infrastructures

Deliverables and Milestones

D-NA03-1 Transfer of R&D accomplishments between ISOL facilities-Report (Month 32)

D-NA03-2 Updated Physics and Instrumentation case for ISOL facilities (Month 44)

D-NA03-3 Identification of technologies developed at ISOL facilities applicable at future facilities-Report (Month 48)

Milestone number	Milestone name	Work package(s) involved	Expected date	Means of validation
<i>M-NA03-1.1</i>	<i>Setting up of working groups for each subject</i>	<i>NA03</i>	<i>4</i>	List of subtask groups
<i>M-NA03-1.2</i>	<i>1st working group meetings: identification of main common R&D issues</i>	<i>NA03</i>	<i>12</i>	Minutes of meetings
<i>M-NA03-1.3</i>	<i>1st EURISOL town meeting: input from associate partners and the community</i>	<i>NA03</i>	<i>18</i>	Presentations
<i>M-NA03-1.4</i>	<i>2nd working group meetings: monitoring the progress of R&D.</i>	<i>NA03</i>	<i>30</i>	Minutes
<i>M-NA03-1.5</i>	<i>2nd EURISOL Town Meeting: dissemination of results and identification of physics and technologies for the future</i>	<i>NA03</i>	<i>40</i>	Presentations

Budget

	CERN	GANIL	IN2P3 IPNO	INFN	JYFL	Total
Person- months	10	0	6	10	6	32
Personnel cost	50	0	30	50	30	160
Travel + subs	50	15	15	24.5	15	119.5
Consumabl	15	0	0	3.5	0	18.5
Total	125	15	45	78	45	283.5
Total without personnel	65	15	15	28	15	138
EC contributio	45.5	10.5	10.5	28	10.5	105

Each Speaker should submit a 1 page summary to jennifer.weterings@cern.ch

Deadline July 27

This will make up the minutes of this meeting and thus fulfill Milestone 2.