

FP7 Integrating Activities Initiative for the Construction of SPIRAL2 Meeting

M I N U T E S

DATE: 08/31/09	OBJECT: Minutes of the FP7 IAI SPIRAL2 Meeting on 08/31/09
N/REF: SP2/FP7 IAI/2009.03	LOCATION: Charles de Gaulle Airport
PREPARED BY: K. Turzó	AFFILIATED DOCUMENTS:

INSTITUTION	GANIL	CEA	ATOMKI	COPIN	IFIN-HH	INRNE	NPI
PRESENT	M. Lewitowicz K. Turzó P. Roussel-Chomaz (ACTAR) N. Alahari (ICC) H. Savajols (S3)	X. Ledoux (NFS) A. Drouart (S3)	Z. Dombradi	A. Maj	F. Negoita	D. Balabanski	J. Mrazek
EXCUSED	S. Galès M. Jacquemet	C. Cavata	Z. Fülöp	J. Styczen	V. Zamfir	J. Stamenov	J. Dobes P. Bem
INSTITUTION	IPNO	CENBG					
PRESENT	T. Junquera (SPIRAL2 baseline project)	B. Blank (DESIR)					
EXCUSED							
DIFFUSION:	To all the participants						

N°	TOPIC	SPEAKER
1	<p><u>Presentation of the FP7 IAI for the construction of SPIRAL2</u></p> <p>The proposed IA opens possibility to become a full member of the SP2 consortium and then to fully participate into the international partnership of GANIL/SPIRAL2.</p> <p>Lol's: total of all estimated contributions (baseline project + detectors) = 12.770 k€ The participating institutions might add additional resources to this request, mainly with manpower.</p> <p>The proposal is built in a way that most part of the technical work can be done in the participating country.</p> <p>Presentation of the proposal in Brussels (July 28th, 2009): EC DG Research, high-level representatives of participating countries.</p> <ol style="list-style-type: none"> 1. Short term: to get funding by 2010-2011 <ul style="list-style-type: none"> Structural funds: no possibility for SPIRAL2, neither from Basse-Normandie region nor from the new members states. Structural funds can be only used to develop infrastructures that will stay in the institution and thus help indirectly in the construction of SPIRAL2 (this depends on the country policy about these structural funds). 2. Medium term: funding by 2011-2012 but should be prepared immediately <ol style="list-style-type: none"> a) I3 activity in nuclear physics (call FP7-infrastructures-2010-1): possibility for ENSAR and new detectors (S3, PARIS, ACTAR,...) A possibility to submit one proposal for a new SPIRAL 2 detectors with strong interconnections to industry & applications will be considered in the coming two weeks (deadline for the proposal: December 3rd, 2009)? b) Lobby for a EC support for the construction of ESFRI infrastructures. Prototype for further support in FP8. Inform national delegates in the Programme Committee in view of a decision on WP 2011 in March 2010 (the only chance to get EC funds for the construction SPIRAL2). <p>Reminder to be sent to the national delegates before meetings of the Program Committee with information about the current IA initiative.</p> <p>The Programme Committee is deciding what is in the call.</p> <ol style="list-style-type: none"> 3. Long term: after 2012 <ol style="list-style-type: none"> a) Support for infrastructures to be decided for FP8 DG research b) EGCT (European Grouping for Territorial Cooperation): attract structural funds for joint activities (action at ministerial level). This might work for regions in several countries (ex: Poland+ Czech Republic + Slovakia) 	M. L.
2	<p><u>Sharing work-packages of the SPIRAL2 detectors</u></p> <p>The expected funds related to the IAI if coming in 2012 are very/too late for S3 and NFS especially to build the mechanics.</p>	

<p><i>Baseline project</i></p> <p>Bulgaria: Current participation into the baseline project (first support for the cavities to be delivered in September!) D. Balabanski informed the ministry about the initiative and more general planned involvement in SPIRAL2. SPIRAL2 is one of the 2 top-priority ESFRI projects in Bulgaria. The ministry suggested funding scheme for the Bulgarian contribution to SPIRAL2. 2 scenarios: European and/or Bulgarian grant. Answer by the end of 2009. If successful the contribution might go up to 1.5 M€.</p>	D. B.
<p>Base-line project: the delivery of the mechanics for the Phase 1 should start mid-2011 what sets the possible delay to ensure funds from Bulgaria (decision not later than in the beginning of 2010).</p>	T. J.
<p>Romania: No expectation of a special contract dedicated to Beam Loss Monitors. Feasible within the next 2 years, to an extend of 80% of the estimated cost of 250 k€. The prototypes will be ready at the beginning of 2010.</p>	F. N.
<p>Beginning of the delivery of the series at the end of 2011, in order to be installed and complete the LINAG at the beginning of 2012.</p>	T. J.
<p>Poland: Hot cell mechanics & general mechanical assembly. 2008: the ministry asked information about ESFRI projects where Polish labs participates. SPIRAL2 has been selected into the short list (no other nuclear physics project competing). 4 M€ were requested for the baseline project (this could include general mechanical assembly) and the detectors (mainly PARIS) and 4M€ for running costs. Decision to be taken probably in Autumn 2009.</p>	A. M.
<p>Hot cell mechanics is meant for the Phase 2. They can wait for EC funding if the IA Initiative is successful.</p>	M. L.
<p><i>Detectors</i></p>	
<p>It is important to divide the list of actions between what can be done without or with the EC funding.</p>	A. M. & M. L.
<p>S3: Design in 2010, construction in 2011 and running in 2012. Mechanics to be built: supports, vacuum chamber, slits (parts very similar to those developed for the baseline project), magnetic dipoles</p>	A. D. & H. S.
<p>NFS: Beam dump could be less expensive than first estimated.</p>	X. L.
<p>DESIR: Lot of investment for the beam lines, more time until Phase 2 (good candidate for IAI proposal). Detectors? Magnets?</p>	B. B.
<p>ACTAR: ???</p>	P. R.-C.
<p>PARIS: I3 proposal in the current round (INFRA-2010-1.1.33: Detectors for future accelerators) of proposals to buy crystals? PARIS seems to fulfil the criteria.</p>	F. A. & A. M.
<p>Bulgaria: Supports, vacuum chamber, slits.</p>	D. B.

	<p>Poland: Poland is not part of the S3 collaboration yet. New magnetic dipole (phase 2 of S3) 150 k€ of investment and magnetic dipoles of S3 (240k€) might be financed if the Polish contribution to SPIRAL2 accepted by the ministry.</p> <p>Hungary: No funding assigned to SPIRAL2 or any other ESFRI projects possible today without the EC contribution. Decision at the end of 2009 about which ESFRI infrastructures will be supported. Each scientific field has to choose one infrastructure project.</p> <p>Czech Republic: NPI is already a part of NFS and may continue to this collaboration (collimator 55k€, irradiation station 35k€). Other contributions depend on the EC funding. Ivan Wilhelm, who has represented the Czech Republic in Brussels is going to prospect the situation in the Czech ministries of education and industry.</p> <p>Romania: No national commitment to SPIRAL2 detectors seems to be possible without the EC funds. As most mechanics have to be realised outside from the lab, it is difficult to promise anything now.</p>	<p>A. M.</p> <p>Z. D.</p> <p>J. M.</p> <p>F. N.</p>
3	<p><u>AOB</u></p> <p>Next meeting or phone conference before the next Programme Committee meeting. Remember: lobby towards national delegates.</p>	<p>all</p>