

# I3NS ...or SPIN3 or EURONUS or ???

- Project Coordinator: Alex C. Mueller
- Managing Institution: GSI Darmstadt
- The Project comprises:
  - 13 JRPs (Joint Research Project)
  - 11 TNAs (TransNational Access)
  - 9 Networks

# Milestones

- FINUPHY Meeting at Trento (28 Oct.2002)  
Presentation of ideas for JPRs
- FINUPHY Meeting of the Writing Committee at Mainz (7 Dec.2002)  
Selection of JRPs, suggestion of fundings for JPRs, TNAs, and Networks
- Kick-off meeting of Coordinator and Managing Institution at Darmstadt (23 Jan.2003)  
Confirmation of time table for drafts of proposals
- FINUPHY Meeting of Writing Committee, Coordinator, and Managing Institution at the occasion of the NuPECC Town Meeting at Darmstadt (31 Jan.2003)  
Status and follow-ups of former decisions
- I3NS-Meeting of Coordinator and Managing Institution at Darmstadt (25 Feb.2003)  
Synthesizing collected proposals and information for the FINUPHY Meeting at Catania

# JRPs - Overview

<b>ACTAR</b>	<b>578 k€</b>	<b>H.Savajols</b>	<b>GANIL</b>		
ACtive TARget detectors for the study of extremely exotic nuclei using direct reactions					
<b>AGATA</b>	<b>3.000 k€</b>	<b>W.Korten</b>	<b>CEA Saclay</b>		
Advanced GAMMA Tracking Array					
<b>Charge Breeding</b>	<b>1.252 k€</b>	<b>O.Kester</b>	<b>LMU Munic</b>		
Advanced charge breeding of radioactive ions					
<b>DLEP</b>	<b>750 k€</b>	<b>K.Riisager</b>	<b>Aarhus Univ.</b>		
Detection of Low-Energy Particles from exotic b-decays					
<b>EXL</b>	<b>1.386 k€</b>	<b>N.Kalantar</b>	<b>KVI</b>		
EXotic nuclei studied with Light hadronic probes					
<b>EXOCHAP</b>	<b>3.701 k€</b>	<b>Y.Blumenfeld</b>	<b>IPN Orsay</b>		
Light charged-particle and fragment detection for the study of nucl. spectroscopy, dynamics, and thermodynamics					
<b>INTAG</b>	<b>2.175 k€</b>	<b>P.Butler</b>	<b>Univ. Liverpool</b>		
INstrumentation for TAGing					
<b>ISIBHI</b>	<b>2.780 k€</b>	<b>A.Girard</b>	<b>CEA Grenoble</b>		
Ion Sources for Intense Beams of Heavy Ions					
<b>LASER</b>	<b>1.250 k€</b>	<b>P.Van Duppen</b>	<b>Univ. Leuven</b>		
LASer techniques for Exotic nuclei Research					
<b>RHIB</b>	<b>2.100 k€</b>	<b>T.Aumann</b>	<b>GSI</b>		
Reactions with High-Intensity Beams of exotic nuclei					
<b>SAFERIB</b>	<b>952 k€</b>	<b>P.Thirolf</b>	<b>LMU Munic</b>		
Radiation protection issues related to radioactive ion-beam facilities					
<b>Straw Tubes</b>	<b>715 k€</b>	<b>P.Dendooven</b>	<b>KVI</b>		
Development of straw drift tube detectors					
<b>TRAPSPEC</b>	<b>1.100 k€</b>	<b>N.Severijns</b>	<b>Univ. Leuven</b>		
Improvements and developments of ion traps, spectrometers, and detectors for low-e. nucl. physics experiments					
<b>Sum =</b>	<b>21.739 k€</b>				

# TNAs - Overview

Participating Institute:		Travel and subsistence	Personal	Consumables/ User fees	Overhead	Sum (1year)	Sum (5 years)	Plan (1 year)	Plan (5 years)
<b>CRL, LLN, Leuven</b>	BE	60.000	86.200	67.500	42.740	256.440	<b>1.282.200</b>	250.000	<b>1.250.000</b>
Guido Ryckewart									
<b>IKP, FZ Jülich</b>	D	69.680		153.600		223.280	<b>1.116.400</b>	250.000	<b>1.250.000</b>
Dieter Grzonka									
<b>GANIL, Caen</b>	F	190.125		195.120		385.245	<b>1.926.225</b>	385.000	<b>1.925.000</b>
Dominique Goutte									
<b>GSI Darmstadt</b>	D	130.500	210.000		68.100	408.600	<b>2.043.000</b>	275.000	<b>1.375.000</b>
Klaus-Dieter Gross									
<b>ISOLDE, CERN, Geneva</b>	EU	150.000	120.000	20.000	60.000	350.000	<b>1.750.000</b>	350.000	<b>1.750.000</b>
Peter Butler									
<b>Univ. Jyväskylä, JYFL</b>	FIN	89.720		218.672	43.608	352.000	<b>1.760.000</b>	352.000	<b>1.760.000</b>
Rauno Julin									
<b>LNL, Legnaro</b>	I	130.000	60.000	2.000	38.400	230.400	<b>1.152.000</b>	223.000	<b>1.115.000</b>
Graziano Fortuna									
<b>INFN-LNS, Catania</b>	I	74.220	35.000	10.000	17.883	137.103	<b>685.515</b>	100.000	<b>500.000</b>
E. Migneco									
<b>Svedberg Lab., Uppsala</b>	S	53.860		141.167	28.233	223.260	<b>1.116.300</b>	220.000	<b>1.100.000</b>
Curt Ekström									
<b>KVI, Groningen</b>	NL	59.340		196.000		255.340	<b>1.276.700</b>	250.000	<b>1.250.000</b>
<b>ECT*, Trento</b>	I					180.000	<b>900.000</b>	180.000	<b>900.000</b>
<b>Sum</b>		<b>947.445</b>	<b>425.000</b>	<b>936.559</b>	<b>256.224</b>	<b>2.745.228</b>	<b>13.726.140</b>	<b>2.585.000</b>	<b>12.925.000</b>



# Networks - Overview

Network name	Aim / working title	Coordinator	kEuro	Institute		status
Management	Management of "I3NS"	Alex C. Mueller	6,5....6,8% (max.7%)	IPN Orsay (CNRS/IN2P3) and GSI Darmstadt	F/D	in preparation
CARINA	Nuclear Astrophysics	Carmen Angulo	70	Univ. Cath. Leuven	B	draft-version available
SHE	Superheavy elements	Antonio Villari	70	GANIL	F	not available
PANS	Public Awareness of Nucl.Sci.	Ch. Bargholtz	240	Univ. Stockholm	S	draft-version available
Euroball	Moving detectors	Wolfram Korten	200	CEA Saclay	F	not available
Mapping	NuPECC mapping studies	Sissy Körner	200	NuPECC	EU	part of abstract available
SEEN	South-East-West-Outreach	Sotirios Harissopulos	216	Nucl. Phys. Inst. Athens	GR	draft-version available
Polish Network	Intra-Polish Institute Coordination	?	70	?	PL	not available
?	Theory and experiment (e. g. few-body systems)	Orlandini	200	Trento	IT	in preparation (Vaagen, Orlandini)
		<b>Sum</b>	<b>1.266</b>	<b>kEuro</b>		



- Thus, the total requested funding is 39.23 M€
- Is this reasonable?
- Coordinator's proposal for budget adjustment
  - aim for 31-33 M€
  - let's not touch networks
  - cut overrunning JRP's back to suggested numbers
  - cut overrunning TNA back to suggested numbers and adjust GSI down to 370 k€/year
  - apply an overall reduction of 10-15% to JRP/TNA
  - coordinator needs today advise and a mandate to implement this action



# Near Future

- 4/5 March: Coordination Meeting at GSI
  - Incorporation of decisions and suggestions from FINUPHY Meeting at Catania
  - Release of collected proposals, data and information
  - Publication via WWW ? (restricted access, password protection?)
  - Call for A2 form of all participating institutions by coordinators
  - Invitation of coordinators' meeting at the managing institution
- 31 March: Coordinators' Meeting at GSI
  - All coordinators of JPRs, TNAs, and Networks
  - „Streamlining“ of proposals
  - Presentation of the B-part of the I3NS-Proposal by the Project Coordinator
- 9 April: Deadline for minor(!) corrections/comments/updates
- 13 April: Delivery of the I3NS-Proposal to Brussels



**JPRs -  
 Details II**

Project / Project leader	ACTRI I H. S. Abdou (GAMM) France	AGATA W. Karlen (CEAS/AS) <sup>1</sup> France	Charge-Breeding I O. Neiser (LMU/Munich) Germany	CLEP K. Renger (Heinrich Heine) Germany	EXL H. N. K. Müller (KVI) The Netherlands	EXOCUB Y. Burestedt (PHI/Copenhagen) Denmark	HTAGI P. Butler (Univ. Liverpool) Great Britain	EMBI I A. Gando (CSA/Grenoble) France	LIGER I P. Van Duppen (Univ. Leuven) Belgium	RHEG I Th. Aumann (GSI) Germany	SACUBA I P. Thiel (JGU/Jena) Germany	Shore Tube I P. Carbonon (KVI) The Netherlands	TGAS2001 M. Steiner (Univ. Leuven) Belgium	Sum:
Participating institutes														
MPI, Heidelberg	0		200											200
Univ., Tübingen	0		J.R. Caspers Lopez-Utrilla									111		111
Univ., München	0		200								180	7		465
Techn. Univ. München	0	X	O. Neiser							200	D. Hahn			200
Univ. Köln	0	X								7				7
Univ. Gießen	0									90				90
FZ Jülich	0									7				7
Univ. Gießen	0									112				112
Univ. Gießen	0									7				7
Univ. Gießen	0									102				102
Univ. Gießen (HMP?)	0									100				100
Warsaw-HULAP	0	X								100				100
Univ. Santiago de Compostela	0									100				100
CSIC, Madrid	0									100				100
GSI	0									100				100
Univ. Leuven (INS)	0									100				100
Svedberg Lab., Uppsala	0	X								100				100
Univ. Göteborg, CTN	0									100				100
Univ. Debrecen	0									100				100
Univ. Budapest	0									100				100
Univ. Basel	0									100				100
PSI, Villigen (I)	0									100				100
RRI, Copenhagen	0	X								100				100
Univ. Aarhus, FA	0									100				100
HEPH, PU, Bucharest	0	X								100				100
RIH/HEPH, Bucharest	0									100				100
Univ. Jyväskylä, JYFL	0	X								100				100
RW, Groningen	0									100				100
Wendmann-Inst., Helmholtz	0									100				100
Univ. Jönköping	0									100				100
SoFi	0	X								100				100
Cambridge (S.M.C.)	0									100				100
Sum	510	0	1,252	750	1,200	2,701	2,175	2,190	1,250	2,100	622	715	1,100	18,161
Writing Committee	1,000	2,000	1,250	750	1,200	2,000	2,000	2,100	1,250	2,100	1,250	715	1,100	20,260