FP7 "People" Programme: Marie Curie Actions
"Initial Training Networks" (ITN)
FP7-PEOPLE- 2010-ITN

GREAT-ITN (Inicio Marzo 2011 + 4 años)
Gaia Research for European Astronomy Training
http://great.ast.cam.ac.uk/great-itn/

GREAT-ITN Goal: To shape a critical mass of new expertise with the fundamental skills required to power the scientific exploitation of Gaia over the coming decade and beyond.

The GREAT-ITN will deliver a training programme structured around these research themes to a core of new researchers, equipping them with the skills and expertise to become future leaders in astronomy or enter industry.

WP3: Origen and history of the Milky Way
WP4: The stellar constituents of the Milky Way
WP5: Planetary Systems: words near and far
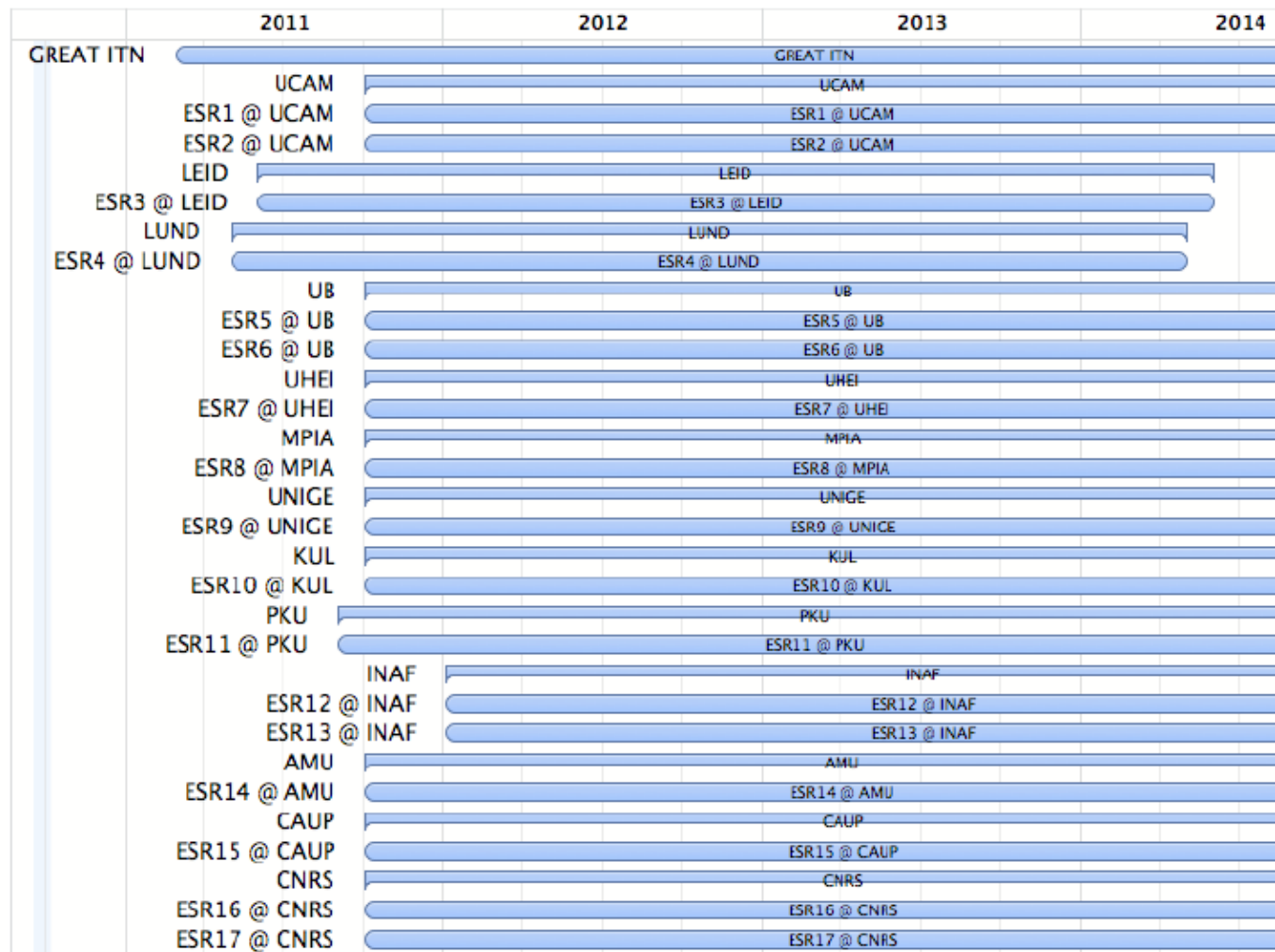**WP6: Grand Challenges**

GREAT- ITN Consortium

Red = full nodes (13) , blue = associate nodes green = industrial partner (+19)

Full Node	Short	Institute	Country	GSB Member
1	UCAM	Institute of Astronomy, Cambridge	UK	Nicholas Walton
2	LEID	Leiden Observatory	NL	Anthony Brown
3	LUND	Lund Observatory	S	Sofia Feltzing
4	UB E	Dpt. Astronomia i Meteorologia, University of Barcelona	E	Francesca Figueras
5	UHEI	Zentrum für Astronomie der Univ. Heidelberg	D	Eva Grebel
6	MPIA	Max Planck Institute for Astronomy, Heidelberg	D	Coryn Bailer-Jones
7	UNIGE	Geneva Observatory	CH	Laurent Eyer
8	KUL	Instituut voor Sterrenkunde, University of Leuven	B	Joris de Ridder
9	PKU	Department of Astronomy, Peking University	CN	Xiaowei Liu / Martin Smith
10	INAF	OAB: Bologna	I	Gisella Clementini
		OAPd: Padua	I	Antonella Vallenari
		OATo: Torino	I	Mario Lattanzi
		OACN: Naples	I	Marcella Marconi
11	AMU	Poznan Observatory, Adam Miciewicz University	PL	Tadeusz Michalowski
12	CAUP	Centre for Astrophysics Porto	P	Nuno Santos
13	CNRS	Laboratoire d'Astrophysique de Bordeaux	F	Caroline Soubiran
		Institut UTINAM: Besancon	F	Annie Robin

Associate Node	Short		Institute	Country	GSB Member
14	MSR		Microsoft research	USA	Jonathan Fay
15	INSY		Intersystems	E	José Rupérez
16	TSL		The server labs	E	Paul Parsons
17	ESA		ESA: ESTEC	INT	Timo Prusti
			ESA: ESAC		Wil O"Mullane
18	MSSL		MSSL, University College London	UK	Daisuke Kawata
19	EDIN		Institute for Astronomy, University of Edinburgh	UK	Annette Ferguson
20	RUG		Rijks Universiteit Groningen	NL	Amina Helmi
21	UPPS		Uppsala Universitet	S	Ulrike Heiter
22	IAA	E	Instituto de Astrofísica de Andalucía	E	Emilio Alfaro
23	IAC	E	Instituto de Astrofísica de Canarias – Universidad de la Laguna	E	Francisco Garzón
24	DRES		Dresden Technical University	D	Sergei Klioner
25	NAOC		National Astronomical Observatories, Chinese Academy of Sciences	CN	Gang Zhou
26	KIAA		Kavli Institute for Astronomy and Astrophysics, PKU	CN	Douglas Lin
27	UNIBO		University of Bologna	I	Luca Ciotti
28	UNIPD		University of Padua	I	Giampaolo Piotto
29	UNITO		University of Torino	I	Antonaldo Diaferio
30	OCA		Observatoire de la Cote d'Azur	F	Alejandra Recio-Blanco
31	OPM		Observatoire de Paris-Meudon	F	Carine Babusiaux
32	NKUA		National and Kapodistrian University of Athens	GR	Mary Kontizas

Inicio proyecto: Marzo 2011 (4 años)

Task	Start	2011	2012	2013	2014
1) GREAT ITN	01/03/2011	GREAT ITN			
2) UCAM	03/10/2011	UCAM			
2.1) ESR1 @ UCAM	03/10/2011	ESR1 @ UCAM			
2.2) ESR2 @ UCAM	03/10/2011	ESR2 @ UCAM			
3) LEID	01/06/2011	LEID			
3.1) ESR3 @ LEID	01/06/2011	ESR3 @ LEID			
4) LUND	02/05/2011	LUND			
4.1) ESR4 @ LUND	02/05/2011	ESR4 @ LUND			
5) UB	03/10/2011	UB			
5.1) ESR5 @ UB	03/10/2011	ESR5 @ UB			
5.2) ESR6 @ UB	03/10/2011	ESR6 @ UB			
6) UHEI	03/10/2011	UHEI			
6.1) ESR7 @ UHEI	03/10/2011	ESR7 @ UHEI			
7) MPIA	03/10/2011	MPIA			
7.1) ESR8 @ MPIA	03/10/2011	ESR8 @ MPIA			
8) UNIGE	03/10/2011	UNIGE			
8.1) ESR9 @ UNIGE	03/10/2011	ESR9 @ UNIGE			
9) KUL	03/10/2011	KUL			
9.1) ESR10 @ KUL	03/10/2011	ESR10 @ KUL			
10) PKU	01/09/2011	PKU			
10.1) ESR11 @ PKU	01/09/2011	ESR11 @ PKU			
11) INAF	03/01/2012		INAF		
11.1) ESR12 @ INAF	03/01/2012	ESR12 @ INAF			
11.2) ESR13 @ INAF	03/01/2012	ESR13 @ INAF			
12) AMU	03/10/2011	AMU			
12.1) ESR14 @ AMU	03/10/2011	ESR14 @ AMU			
13) CAUP	03/10/2011	CAUP			
13.1) ESR15 @ CAUP	03/10/2011	ESR15 @ CAUP			
14) CNRS	03/10/2011	CNRS			
14.1) ESR16 @ CNRS	03/10/2011	ESR16 @ CNRS			
14.2) ESR17 @ CNRS	03/10/2011	ESR17 @ CNRS			

17 becas pre-doctorales

Institute	Phd Position	Contact Person
Institute of Astronomy, University of Cambridge, UK	2: Open (1)	Prof Gerry Gilmore (gil@ast.cam.ac.uk) and Dr Nicholas Walton (naw@ast.cam.ac.uk)
University of Leiden, The Netherlands	1: Closed	Dr Anthony Brown (brown@strw.leidenuniv.nl)
University of Lund, Sweden	1: Closed	Prof Sofia Feltzing (sofia@astro.lu.se)
University of Barcelona, Spain	2: Closed	Dr Francesca Figueras (cesca@am.ub.es) and Dr Lola Balaguer (lola.belaguer@am.ub.es)
University of Heidelberg, Germany	1: Closed	Prof Eva Gebel (grebel@ari.uni-heidelberg.de)
MPIA, Heidelberg, Germany	1: Closed	Dr Coryn Bailer-Jones (calj@mpia.de)
University of Geneva, Switzerland	1: Closed	Dr Laurent Eyer (Laurent.Eyer@unige.ch)
University of Leuven, Belgium	1: Closed	Dr Joris De Ridder (Joris.DeRidder@ster.kuleuven.be)
Peking University, China	1: Closed	Ms Ning ZHANG (zhangn@pku.edu.cn)
INAF (Bologna and Padua), Italy	2: Closed	Dr Gisella Clementini (gisella.clementini@oabo.inaf.it) and Dr Antonella Vallenari (antonella.vallenari@oapd.inaf.it)
Adam Mickiewicza University, Poznan, Poland	1: Closed	Prof Tadeusz Michalowski (tmich@amu.edu.pl)
CAUP, University of Porto, Portugal	1: Closed	Dr Nuno Santos (Nuno.Santos@astro.up.pt)
CNRS (Bordeaux and Besancon), France	2: Closed	Dr Annie Robin (Annie.robin@obs-besancon.fr) and Dr Caroline Soubiran (soubiran@obs.u-bordeaux1.fr)

Participación española (I)

WP	WP Task	Host Partner	ESR	Secondment to Partner	Training Activity During Visit	Time (mn)
					Table 1.3.1: Summary of cross node ESR secondments	
3	3-A	**UCAM**	1	MSR	Visualisation/ analysis of panoramic data	3
				EDIN	IR-survey data of the low latitude Milky Way	3
				INSY	Rapid galaxy stream discovery via advanced database data access	-
		UHEI	7	RUG	Observational wide field spectroscopy	6
		PKU	11	UCAM	Cross matching associated spectroscopic surveys, visualisation techniques	6
	3-B	**MPIA**	8	PKU	Modelling of the Milky Way	6
		INAF OAPd	12	IAA	New statistical tools for cluster membership determination and spatial pattern description	3
				UB	Eclipsing binary stars in OCs and effects of rotational velocities on luminosities and ages	3
				CNRS	Analysis of abundance scales in relation with	3

Participación española (II)

Table 1.3.1: Summary of cross node ESR secondments

	3-C	**CNRS** Besancon	16	OPM	Integration of photometric survey data with galaxy model	6
		UB	5	MSSL	Chemo-dynamical modelling with GCD+	6
				IAC	Galactic dynamics modelling	4
4	4-A	**LEID**	3	LUND	Coupling the star cluster migration and dissolution to abundance pattern studies	6
				UB	Origin of the structure of phase space of the disk in the solar neighbourhood	4
				TSL	Running a cluster simulation on the 'cloud'	-
		LUND	4	CNRS (Bordeaux)	Chemical tagging and internal abundance spreads in clusters	6
				MSR	Visualisation of disk chemistry	3
		CNRS Bordeaux	17	INAF	Analysis of high resolution spectra of cluster stars	3
				UPPS	Determination of the best parameters for benchmark and reference stars	3
				OCA	Automation of determination of stellar parameters from analysis of spectra	3

Participación española (III)

				Table 1.3.1: Summary of cross node ESR secondments		
5	**5-A**	**CAUP**	15	INAF	Work on orbital fitting procedures	6
				INSY	Databasing stellar properties/ correlation with planet systems	3
	5-B	**AMU**	14	LEID	Linkage of asteroid properties to our Sun's birth cluster	3
				OCA	Asteroid dynamical modelling	3
6	**6-A**	**INAF** OAB	13	UB	Deep study of consistency between the potential Gaia distance scale indicators	4
				UCAM	Use and interpretation of Gaia astrometric and photometric data, with specific application to star clusters and associations	4
		UB	6	OPM	Detailed astrometry error modelling and impact on distance accuracies	6
				INAF	Calibration of extragalactic distance scale and the statistical analysis of Gaia data in terms of calibration of distance indicators	4

Main Network Training Events
Participación española (III)

17	WP3: Progress workshop: networking for the new ESRs	Groningen, NL
17	WP4: Progress workshop: networking for the new ESRs	Lund, S
18	WP5: Progress workshop: networking for the new ESRs	Poznan, PL
18	WP6: Progress workshop: networking for the new ESRs	Cambridge, UK
20	**WP2: School: Modelling the Milky Way**	Besancon, F
24	Workshop: AstroStatistics on Massive Data Sets	<ESA>, Madrid, E
Year 3: 25	GREAT-ITN: mid term review and full network meeting (FM2)	Bordeaux, F
26	Workshop: Distributed Computing in the Cloud	<ESA/ServerLabs>, Madrid E
30	WP2: OUTREACH Event: Gaia for Kids	<ESA>, Noordwijk, NL
31	Workshop: The world of Open Clusters: New Insights	Bologna, I
36	**WP2: School: The inner Galaxy:stellar composition & dynamics**	Tenerife, E
Year 4: 37	WP3: Update workshop: mid term update for the ESRs	Beijing, CN
37	WP4: Update workshop: mid term update for the ESRs	Geneva, CH
38	WP5: Update workshop: mid term update for the ESRs	Torino, I
38	WP6: Update workshop: mid term update for the ESRs	Padua, I
39	Year 4 and final full network meeting (FM3)	Leiden, NL
45	The Milky Way Unravelled by GREAT: an international conference	Barcelona, E

GREAT ITN Network and related meetings

Meetings in 2011:

1. GREAT ITN Kick Off meeting: 13-14 April 2011 at the Institute of Astronomy, University of Cambridge, UK
2. Planetary Systems with Gaia: Near and Far: GREAT-ITN WP5 Kick-Off, 24-25 November 2011, Porto, P

Meetings in 2012:

1. ESR Induction: Introduction to the Science of Gaia: 23-27 January 2012 at the Lorentz Centre, University of Leiden, NL
2. ESR Induction: Managing Complex Systems: 30 January - 3 February 2012 at the Lorentz Centre, University of Leiden, NL

Una herramienta util:

http://great.ast.cam.ac.uk/groups/greatwiki/calendar/