



"LINC"

Learning about Interacting Networks in Climate

FP7-PEOPLE-2011-ITN-289447

<http://climatelinc.eu>

Marie Curie Initial Training Network
European Commission FP7

H2020 - Innovative Training Networks

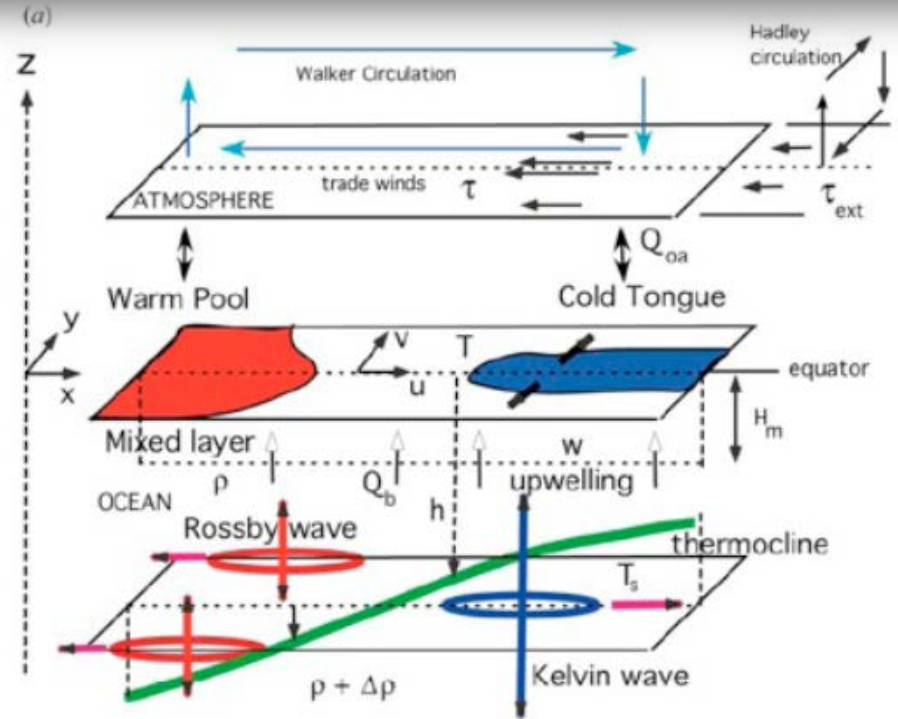
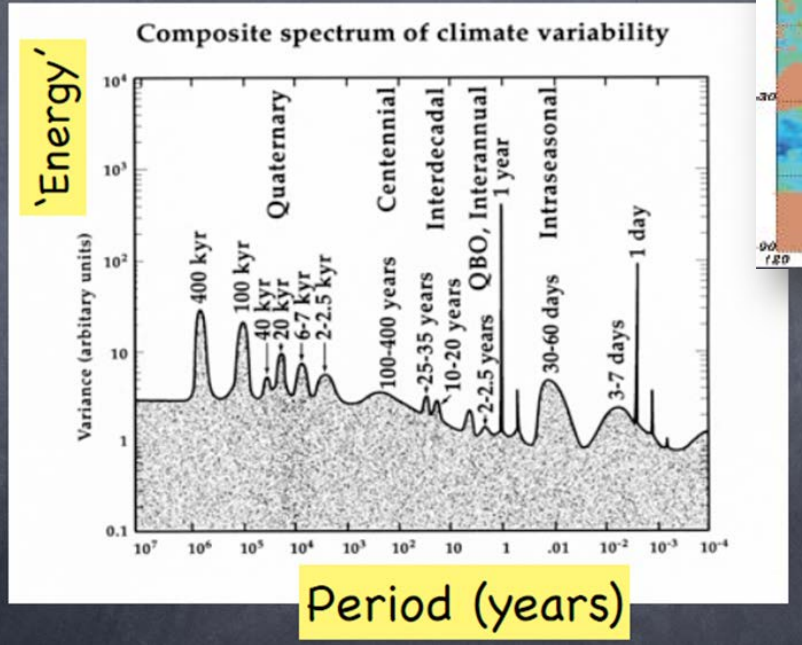
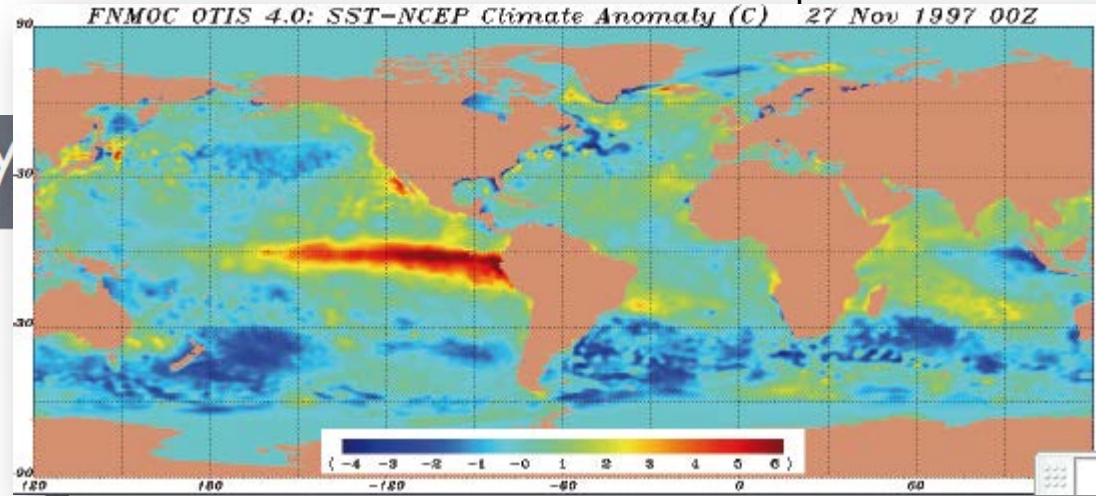
December 1st 2011, November 30th, 2015

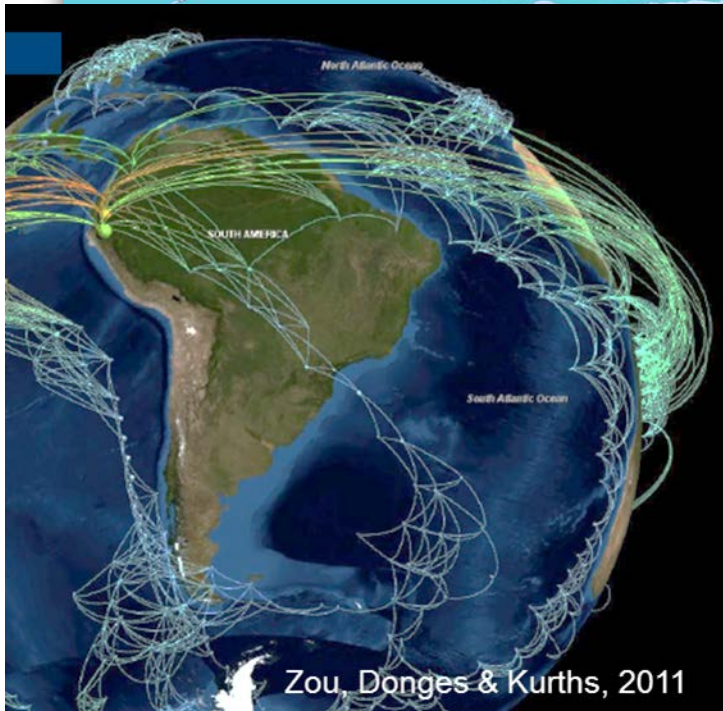
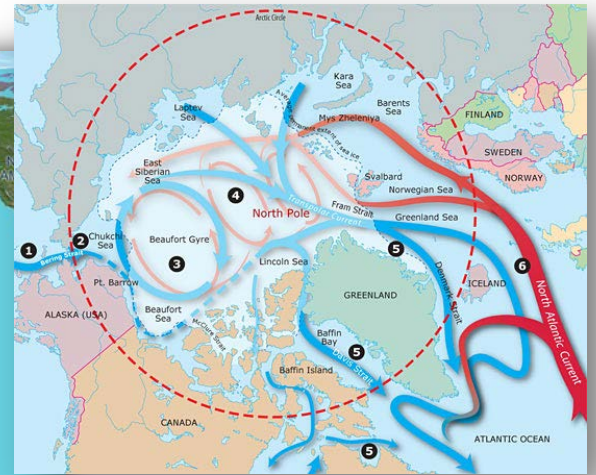
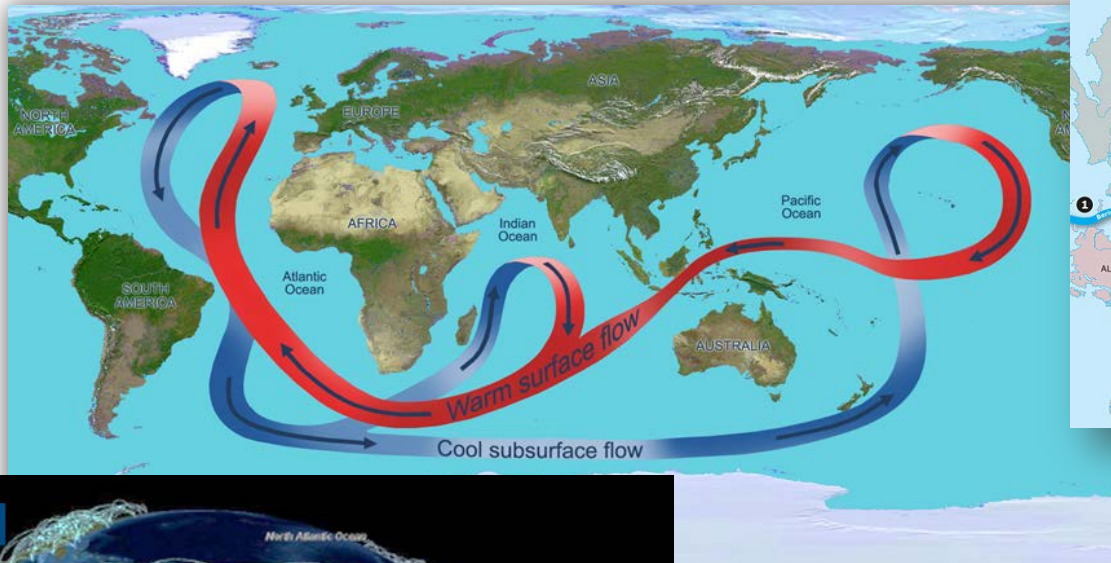


Emilio Hernández-García

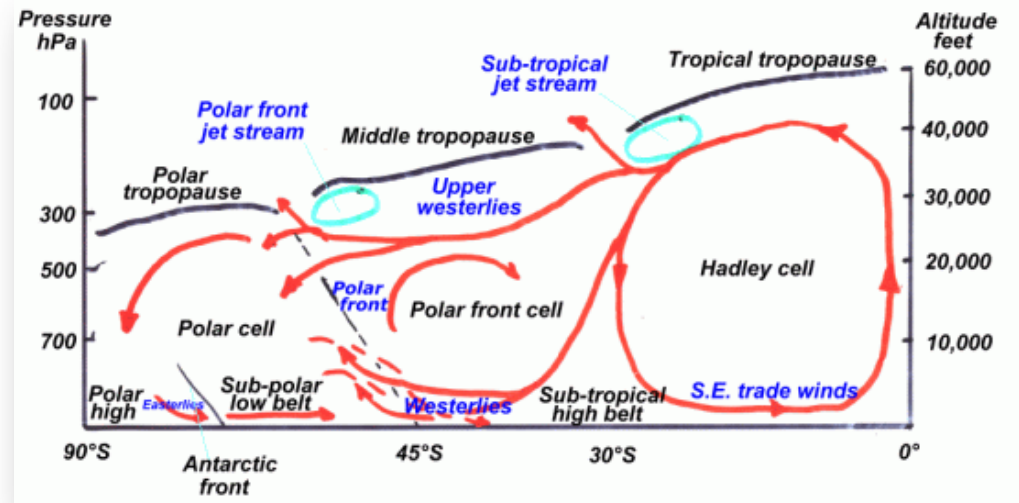


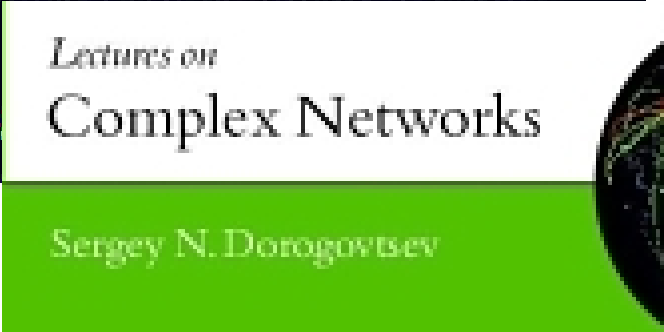
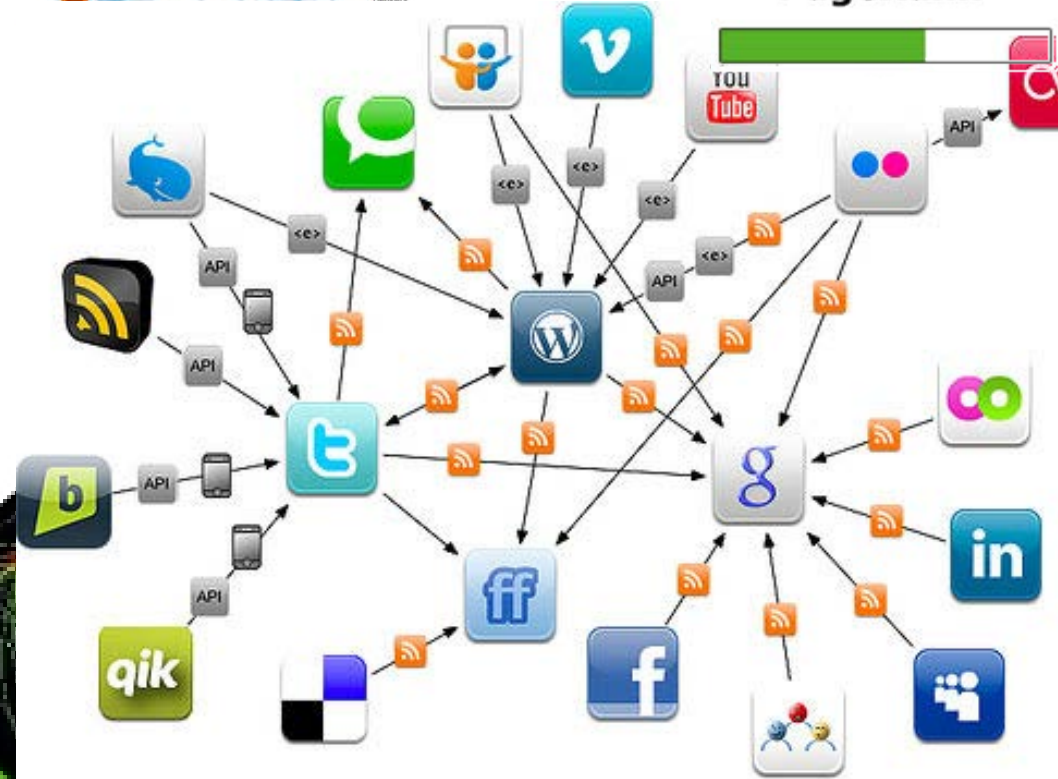
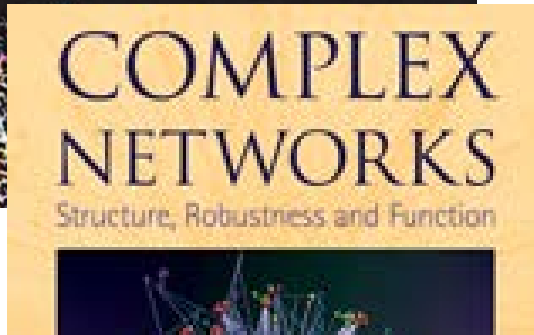
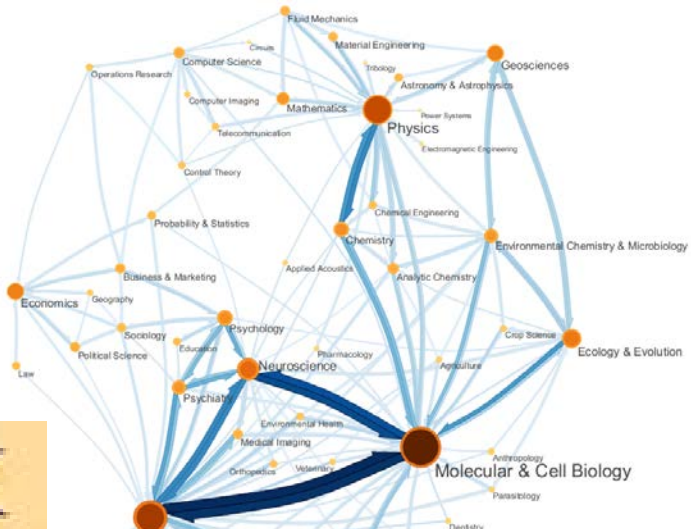
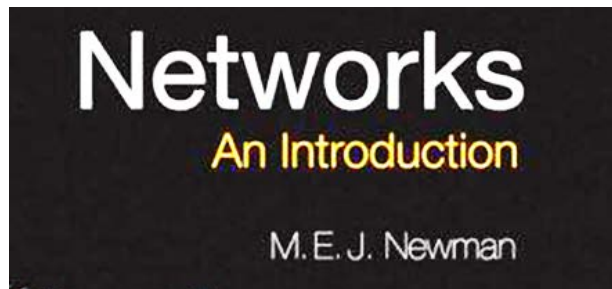
Natural Climate Variability



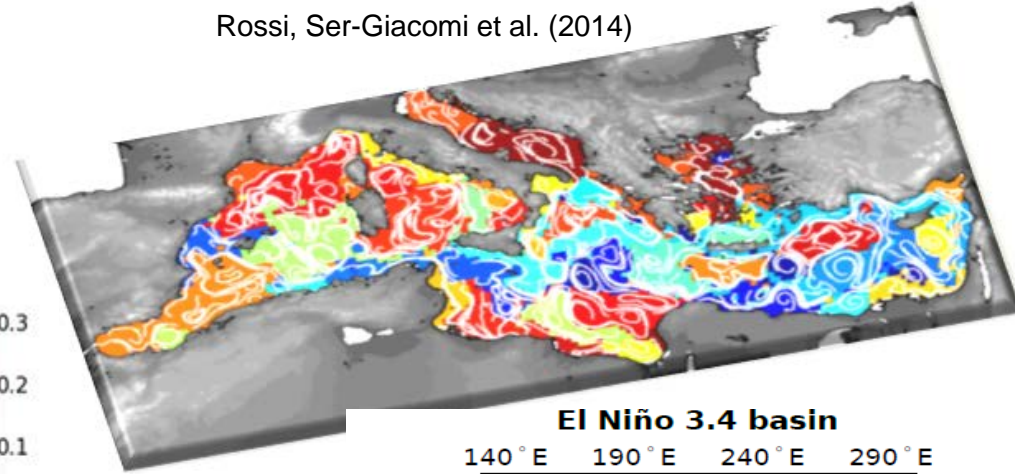


Zou, Donges & Kurths, 2011



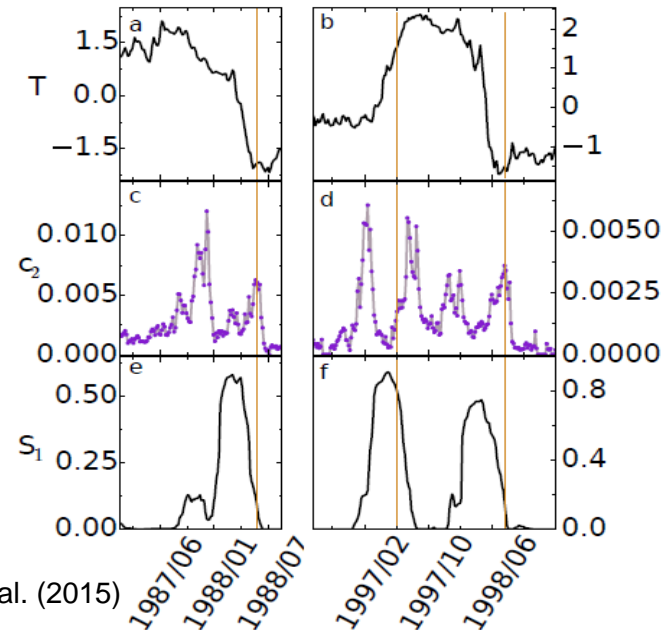
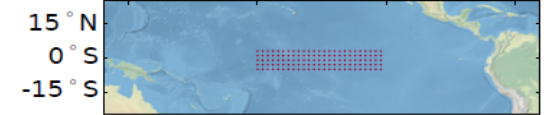


Rossi, Ser-Giacomi et al. (2014)

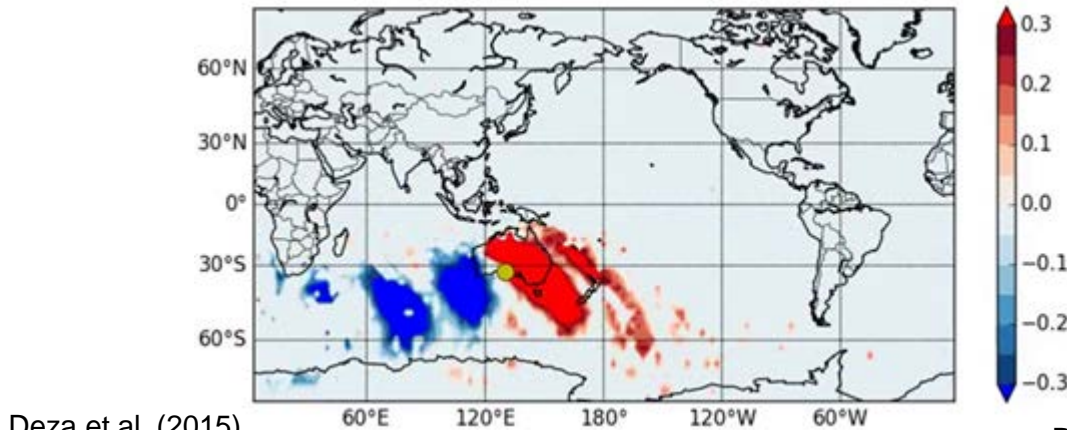
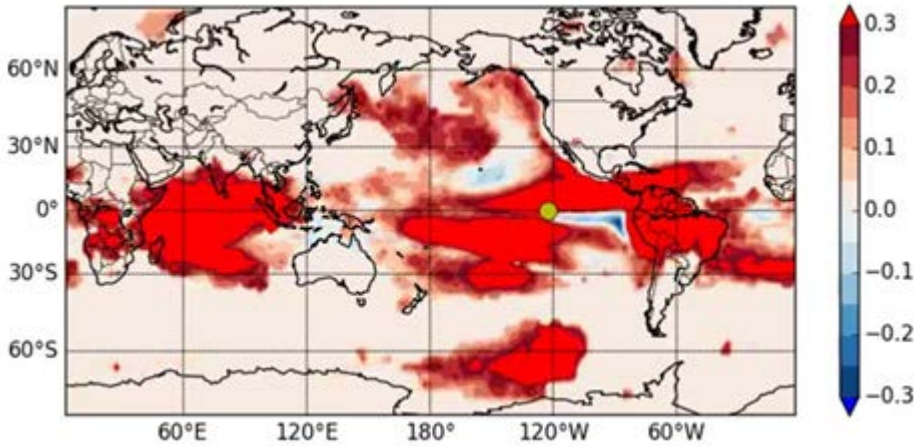


El Niño 3.4 basin

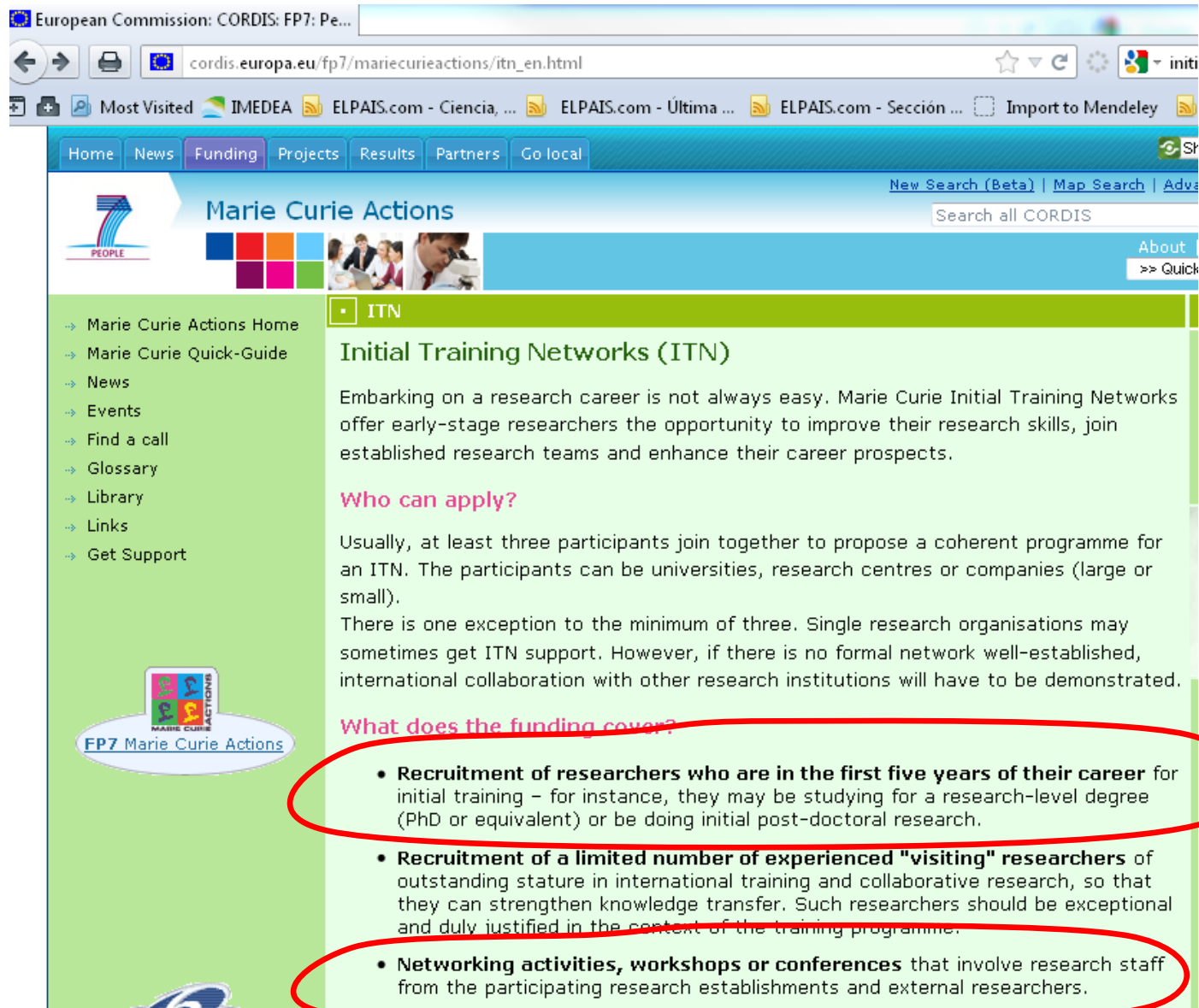
140° E 190° E 240° E 290° E



Rodriguez et al. (2015)



Deza et al. (2015)



European Commission: CORDIS: FP7: Pe...
cordis.europa.eu/fp7/mariecurieactions/itn_en.html

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Marie Curie Actions

ITN

Initial Training Networks (ITN)

Embarking on a research career is not always easy. Marie Curie Initial Training Networks offer early-stage researchers the opportunity to improve their research skills, join established research teams and enhance their career prospects.

Who can apply?

Usually, at least three participants join together to propose a coherent programme for an ITN. The participants can be universities, research centres or companies (large or small).

There is one exception to the minimum of three. Single research organisations may sometimes get ITN support. However, if there is no formal network well-established, international collaboration with other research institutions will have to be demonstrated.

What does the funding cover?

- **Recruitment of researchers who are in the first five years of their career** for initial training – for instance, they may be studying for a research-level degree (PhD or equivalent) or be doing initial post-doctoral research.
- **Recruitment of a limited number of experienced "visiting" researchers** of outstanding stature in international training and collaborative research, so that they can strengthen knowledge transfer. Such researchers should be exceptional and duly justified in the context of the training programme.
- **Networking activities, workshops or conferences** that involve research staff from the participating research establishments and external researchers.

The LINC main goals are

- 1) To train 15 young researchers (12 PhDs and 3 PostDocs) in the complete set of skills required to undertake a career in physics and geosciences with expertise in climatology, networks and complex systems.
- 2) To develop long-lasting collaborations among the research teams

4 WPs

WP 1 Network Construction and Analysis (PIK)

WP 2 Interacting Networks (BIU)

WP 3 Natural Climate Variability (UU)

WP 4 Future Climate Change (UR)

WP 5 Tipping Points in the Climate System (UIB)



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



IMAU

Institute for Marine and
Atmospheric research Utrecht



FACULTAD DE
CIENCIAS
UDELAR fcien.edu.uy



VORTECH BV
THE SCIENTIFIC SOFTWARE ENGINEERS

climate risk
analysis mudelsee

ambrosys



POTSDAM INSTITUTE FOR
CLIMATE IMPACT RESEARCH



Bar-Ilan University

Coordinator: Cristina Masoller



6 academic partners + 3 companies

<http://climatelinc.eu>



TOTAL BUDGET: 3,715,524 €, in 4 years

For TRAINING:

12 predoctoral contracts x 3 years

3 postdoctoral contracts x 2 years

+ conferences, travel, management, overheads ...

To IFISC (through UIB): **502,162 €:**

2 predoctoral contracts x 3 years

+ school in Mallorca + ...



12 PhD + 3 PosDocs

Eligibility (not in country 12 month in 3 years)
Recruitment
3 (or 2) years



En que se emplea el dinero? **502,162 € @ UIB**

2 x Salarios + movilidad (2900 € brutos mensuales x 3 x 12)

FP7 'People' Work Programme

Table 3. Correction Coefficients^{27, 28}

Austria	102,2	Belgium	100,0	Cyprus	99,0	Czech Republic	77,2
Bulgaria	76,5	Finland	112,0	France	104,4	Germany	101,5
Hungary	66,5	Ireland	113,3	Italy	103,9	Latvia	71,1
Luxembourg	100,0	Malta	97,5	Netherlands	101,2	Poland	71,6
Slovakia	82,2	Slovenia	80,8	Spain	95,5	Sweden	108,9
Romania	62,6	Romania	58,3	Iceland	120,8	Israel	109,6
Switzerland	116,3	Croatia	105,8	FYROM	69,7	Turkey	83,7
Russia	82,7	Algeria	84,5	Angola	113,5	Argentina	56,4
Australia	99,1	Bangladesh	43,7	Barbados	125,7	Benin	92,3
Bosnia and Herzegovina	77,7	Botswana	62,1	Brazil	76,2	Burkina Faso	89,7

1800 €/mes/fellow

+ 7% management

+ 10% overhead

Organización de 2 escuelas, 3 conferencias

Training: asistencia a conferencias, cursos,
scientific AND transversal skills...

Communication, Dissemination, ...

SECONDMENTS

Table 8: List of Deliverables
(to be submitted for review to REA)

WP	N°	Deliverable	Lead benef.	Nature	Dissemination	Month
0	0.1	Brochure for public distribution, in the main European languages, with the main goals of the LINC research.	UPC	O	PU	3
0	0.2	Website launch	UPC	O	PU	3
0	0.3	Workshop 1 and School 1	UIB	T	PU	9
0	0.4	1st annual report on management, training and dissemination/outreach activities.	UPC	R	CO	12
0	0.5	School 2	UU	T	PU	17
0	0.6	Workshop 2	UR	T	PU	24
0	0.7	2nd annual report on management, training and dissemination/outreach activities.	UPC	R	CO	24
0	0.8	Workshop 3				
0	0.9	Workshop 4				
0	0.10	3rd annual report on management, training and dissemination/outreach activities.				
0	0.11	Conference				
0	0.12	Brochure for public distribution, in European languages, with the LINC r				

Career development plan

Workpackages,
Deliverables, milestones, ...

1	1.1	A database created, with united standard including all relevant available climate data.	PIK	O	PU	06
1	1.2	Toolbox developed for estimating multivariate causality and its statistical evaluation.	PIK	O	PU	18
1	1.3	Toolbox developed for efficient eigenvalue determination.	PIK	O	PU	24
1	1.4	Toolbox for identification of most important teleconnections and their stability.	PIK	O	PU	30
1	1.5	Report on reconstruction and analysis of evolving networks of the climate.	PIK	R	PU	36
2	2.1	A database created, with united standard including all relevant available climate data.	BIU	O	PU	06
2	2.2	A computer algorithm developed that generates interacting climate networks.	BIU	O	PU	12
2	2.3	Report on the parameters and classifications that characterise interacting networks.	BIU	R	PU	15

LINC@UIB

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Enrico Ser-Giacomi