



**Associazione Nazionale  
Insegnanti di Scienze Naturali**



*Associazione qualificata per la formazione degli insegnanti DM. 177/00 articolo 4 - Direttiva n° 90/03 art. 6, 7 ed accreditata con prot. N°1877(GG/5)/R.U./U del 27/02/2009 quale soggetto proponente di iniziative per la valorizzazione delle eccellenze D.M 28/7/2009*

Sede legale: Università degli studi di Napoli, Via Mezzocannone, 8 - 80134 Napoli (Na)  
CF 94079480631 – P.IVA 04906381217

# **ANISN**

## **National Association of Natural Science Teachers**



Local and National Collaborations



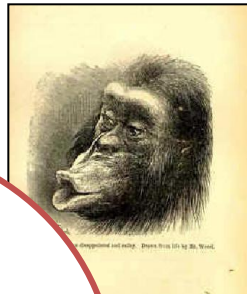
International Collaborations



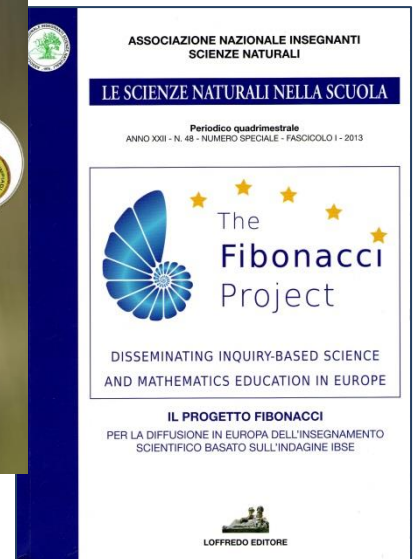
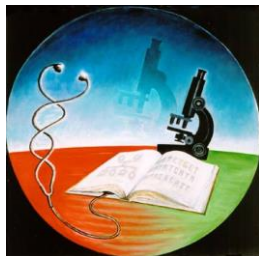
Training Courses



Working groups



Competitions e Awards



Biologists

Naturalists

Geologists



Teachers

Science Education researchers

Scientists

National web site  
[www.anisn.it](http://www.anisn.it)  
and 27 local sites



# ANISN

## National Association of Natural Science Teachers

- Non-profit and legally recognized Association. Active in Science Education since 1979
- **Teacher training** organization **officially recognized** by the Ministry of Education and Research (DM. 177/00 articolo 4 - Direttiva n° 90/03 art. 6 )
- Organization which fosters **students' enhancement of learning ability and excellence** recognized by the Ministry of Education and Research (D.M 28/7/2008)





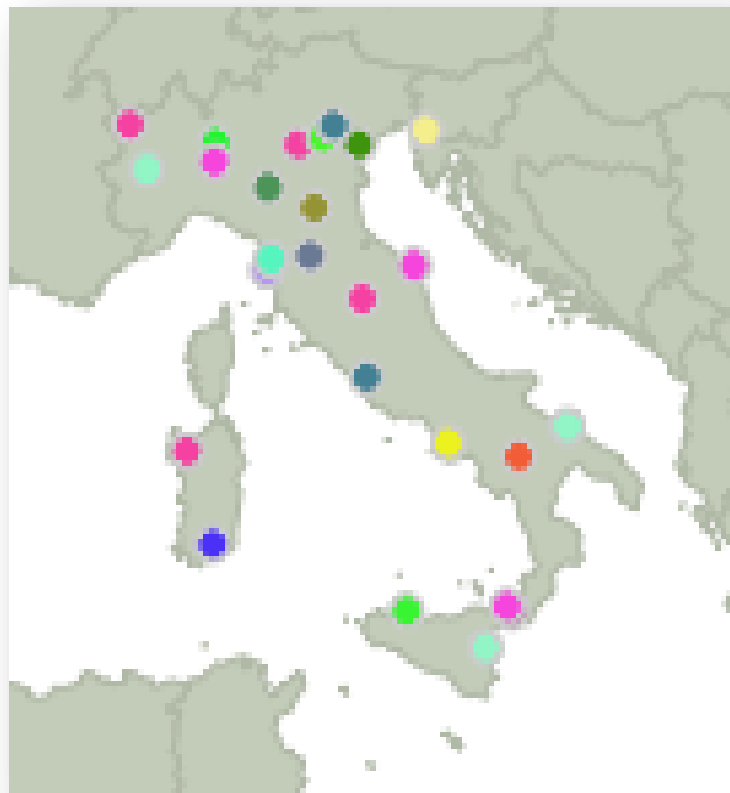
# ANISN

## National Association of Natural Science Teachers

National President : Anna Lepre

- **2000 members:** science teachers, scientists, science education researchers

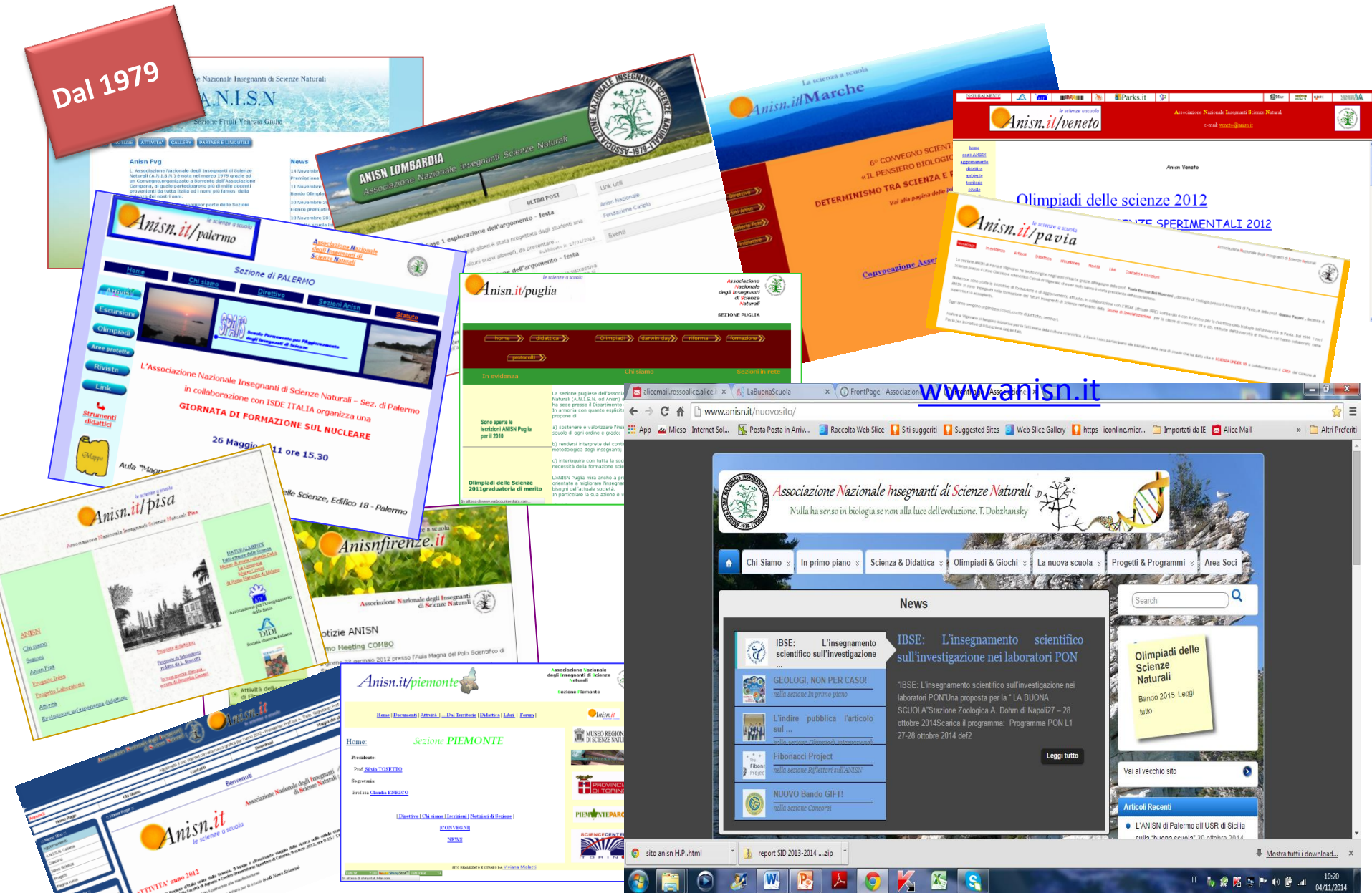
- **26 Sections** in all Italian regions, schools and teacher networks





# ANISN

Dal 1979



Anna Lepre & Mariada Muciaccia  
June, 19<sup>th</sup> 2015



# ANISN – Main activities

## Local

- Teacher training courses,
- summer schools,
- conferences,
- workshops

in collaboration with schools, universities, science centres, scientific institutions, museum and local authorities



# ANISN – Main activities

## National Level

- Collaboration with the Ministry of Education on National teacher training projects on education, (SeT, **Plan ISS**, PON Science)
- Specific annual and multi-annual Projects
- Summer schools, workshops, conferences
- Natural Sciences Olympics for middle and high school students

# NATURAL SCIENCE OLYMPICS



14<sup>th</sup> year



**30,000 high school students**

<http://www.anisn.it/olimpiadi.php>







# ANISN – Main activities

## International level

- International Biology Olympics - IBO
- International Earth Science Olympics – IESO
- Long-standing collaborations ( ELLS – European Molecular Biology Laboratory; **Foundation La main à la pâte** )
- Participation in European Projects : Edu-Geo, **Volvox**, Evolution MegaLab, Science on Stage
- **Fibonacci Project, SUSTAIN Project, AMGEN Teach**

# IESO International Earth Science Olympics



Since 2011

SID  
Programme



2014- 2017

AMGEN  
TEACH  
Project



ANISN  
e  
IBSE

2010- 2013

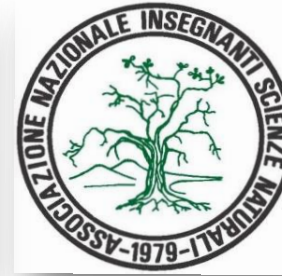
Fibonacci  
Project



SUSTAIN  
Project

2013- 2016





# *Scientiam Inquirendo Discere* – SID PROGRAMME

NATIONAL COORDINATOR: Anna Pascucci



## Three pillars

Innovation in teaching and learning Science through an  
**Inquiry Based Science Education Programme**

## International cooperation

*La main à la pâte - Fibonacci project – ALLEA - IAP*

## Systemic and systematic National strategy

This programme was presented in London as part of the Scientix meeting and it has been subsequently published on the Scientix online platform.

Anna Lepre & Mariada Muciaccia  
June, 19<sup>th</sup> 2015

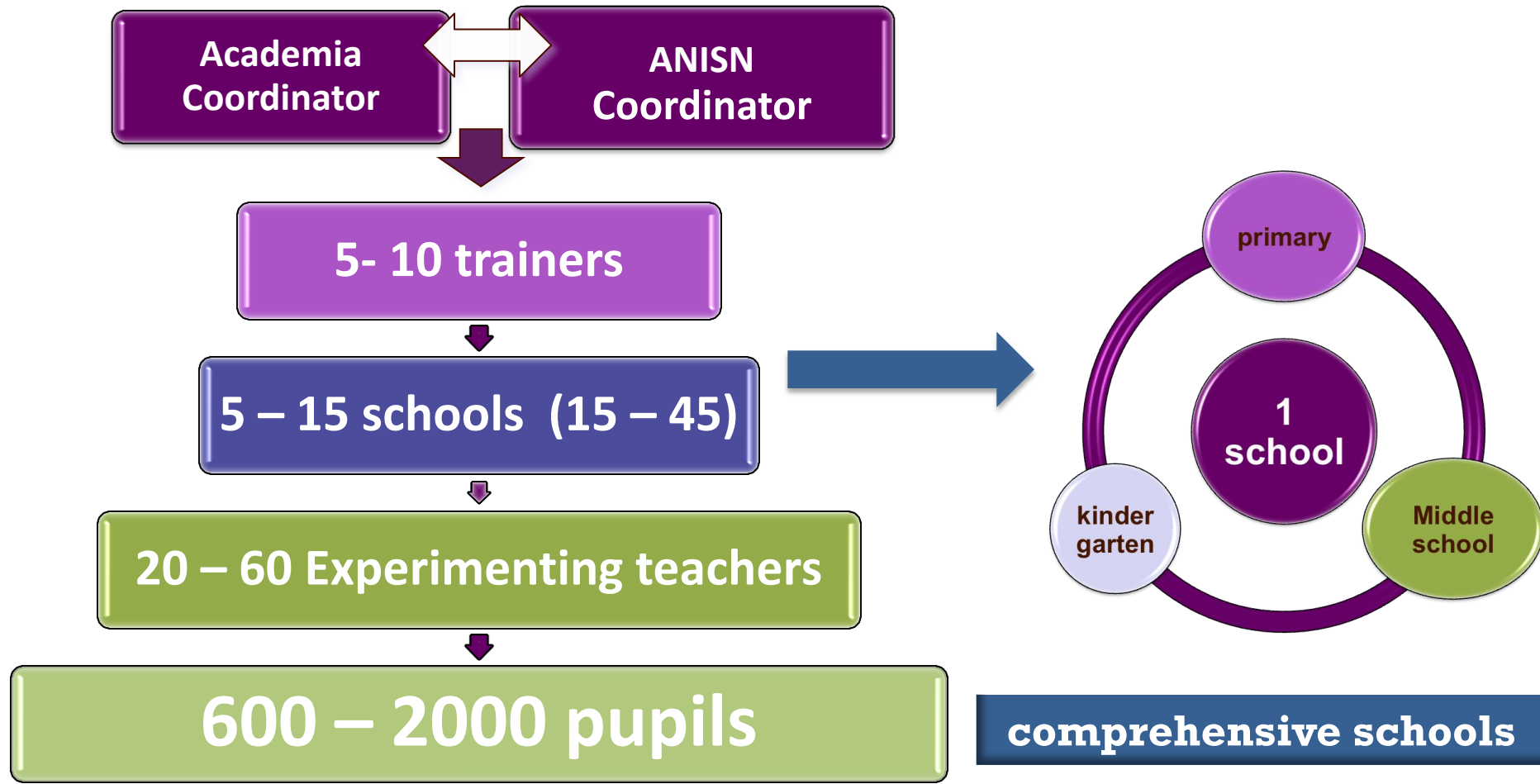


# SID Pilot centres in 2015

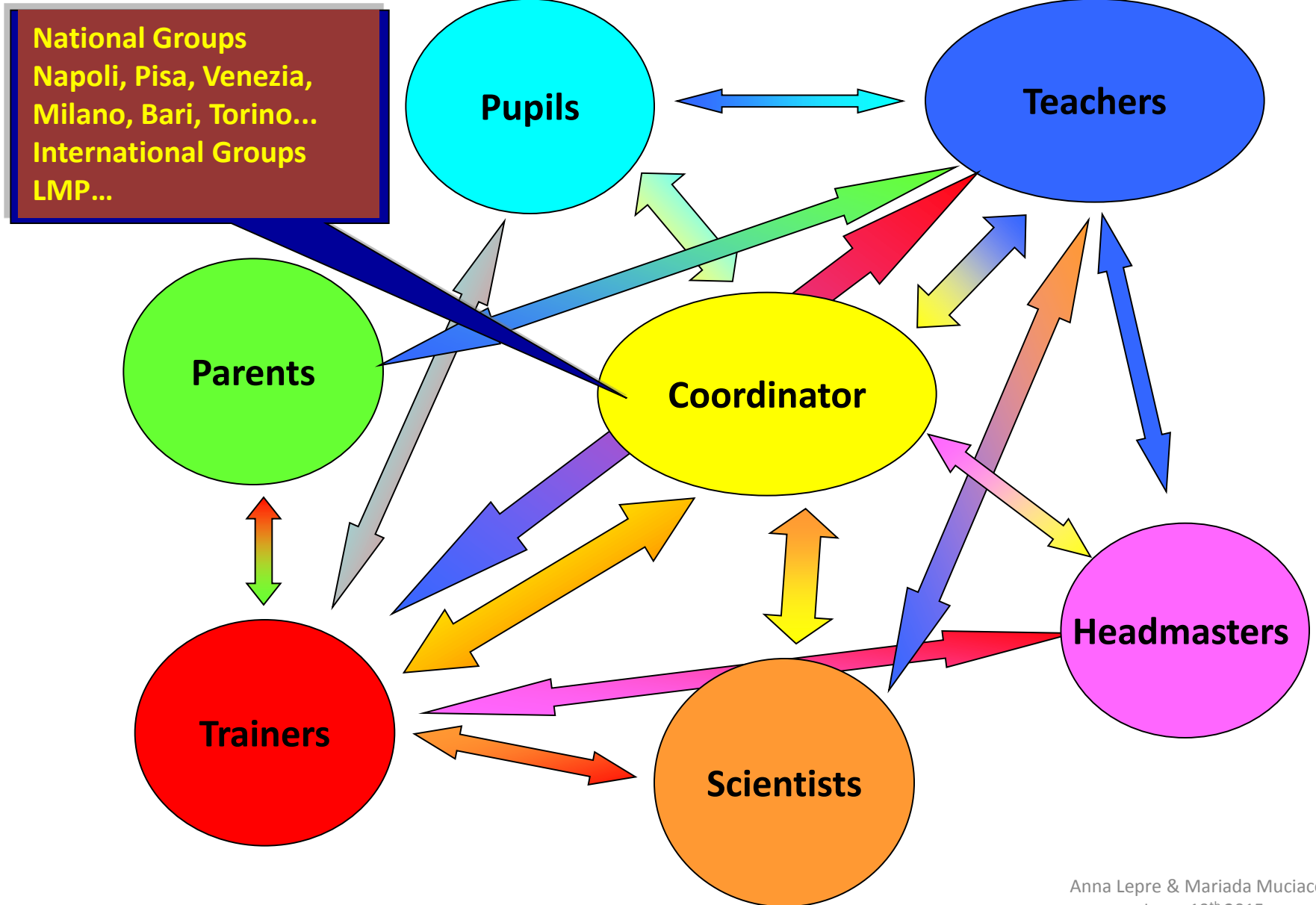


**In four years SID has set up 10 pilot centres in Italy  
and in the last year involved over  
500 teachers.**

# SID Pilot centres organizational structure



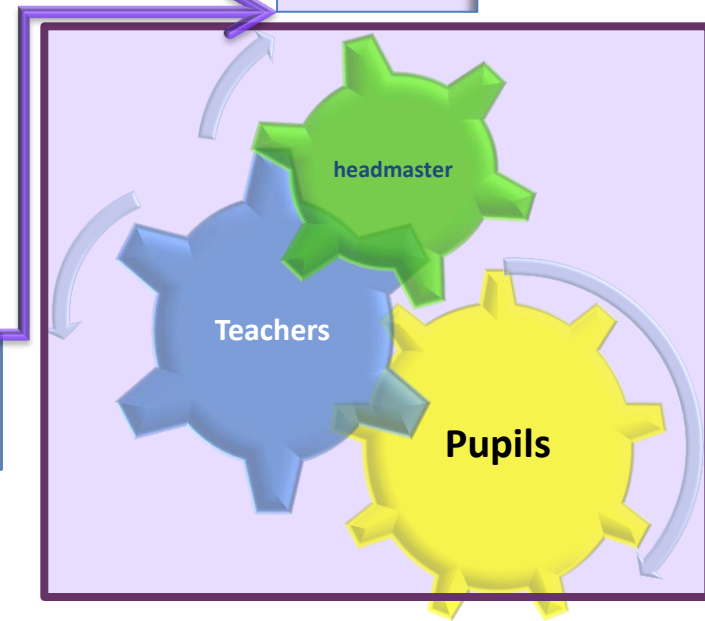
## Complex System



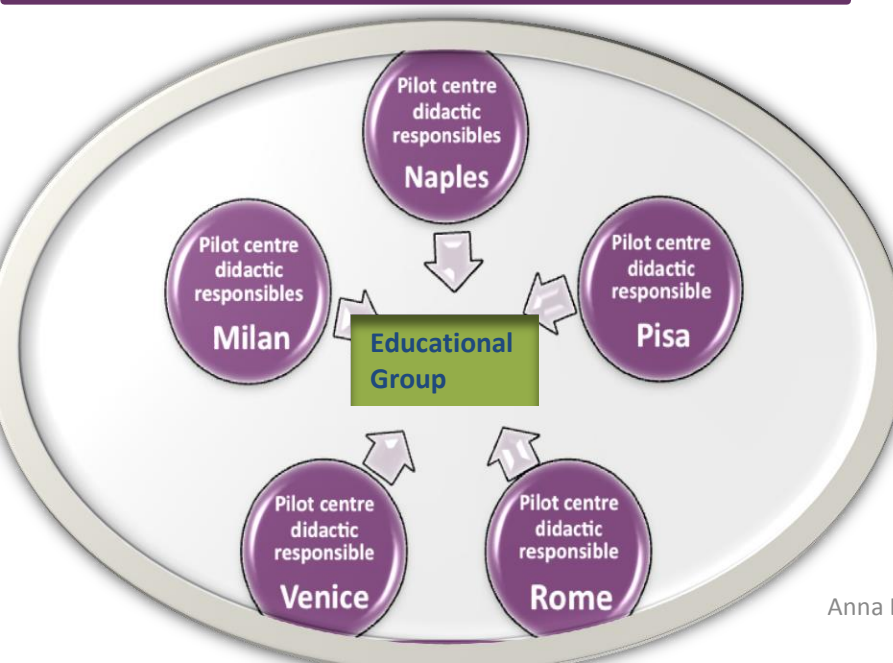
**Pilot Center**

**NETWORKS**

**School**



**Local Level**



**National Level**



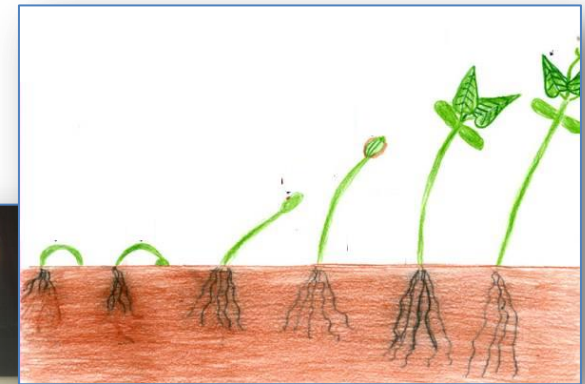
**International Level**



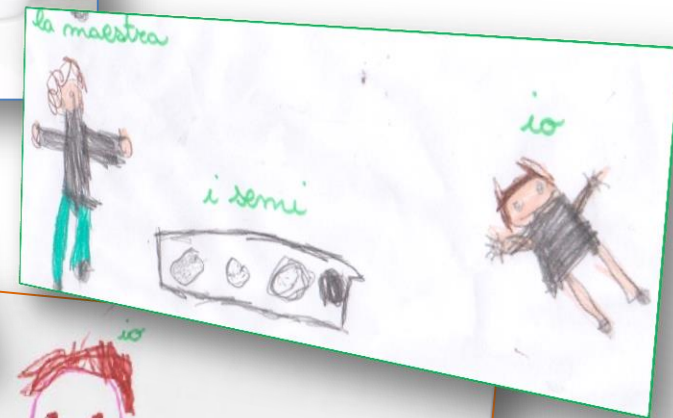
Every  
thing  
starts  
from a  
fairytale

## Early Years school "Via Emilio Macro"

Childrens' questions:  
"Is it true that if you  
plant gold, it will grow  
into a golden coin  
tree?"



Early Years School  
Module "A seed, a plant?"  
Teacher: Giuseppina Canarezza  
Trainer: Olivia Illuminati



Secondary School  
Module "A seed, a plant?"  
Trainer Daniela Padula

Secondary school  
I.C. "Alfonso Volpi" Cisterna - LT



Experimental test of  
the hypothesis



If we want to be sure of this  
hypothesis we have to sow all  
the 12 seed samples.

The idea: A control system.

Maths help us!  
 $S + e S -$



... the situation is  
under control!



thank you!



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