



Growing
ideas
through
networks

TRAINING SCHOOLS

(TSs)

Enrique García-España – Belgrade – March 6th, 2020



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1st Grant Period (02/10/19 – 30/04/20)

- No TSs planned

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Long Term Plan

- At least three schools during NECTAR Action
- First one dedicated to methodologies (techniques) to get speciation and derive equilibrium constants
- Potentiometry, UV-Vis spectroscopy, NMR, microcalorimetry.
- Treatment of data in simple systems
- Schools addressed to young researchers (PhD students, recent doctors etc.) but not only
- Theoretical and practical course, etc.

Proposed TS for GP2

- SOLvE – Advances in SOLution Equilibria”, Messina
- Determination, Analysis and Use of Thermodynamic Data, named “.
- Many facilities available there for teaching and accommodation (rooms for the lectures, computers’ room with 36 individual working stations, accommodation at free/low price, among others
- Topics : use of different techniques for determination of the speciation and of equilibrium constants.
- Techniques: potentiometry, UV-Vis spectroscopy, fluorescence, NMR and calorimetry.

Possible topics for future TSs

- Second part of the first school
- Methodologies and techniques to get information about chemical equilibria in complex systems
- Interaction of small molecules with biomolecules
- Equilibria in heterogeneous phases, NPs, liposomes, membranes, etc
- Relevance of chemical equilibria in industry and medicine

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