



COST

Strigolactones: biological roles and applications

FA1206

Start date: 12/04/2013

End date: 11/04/2017

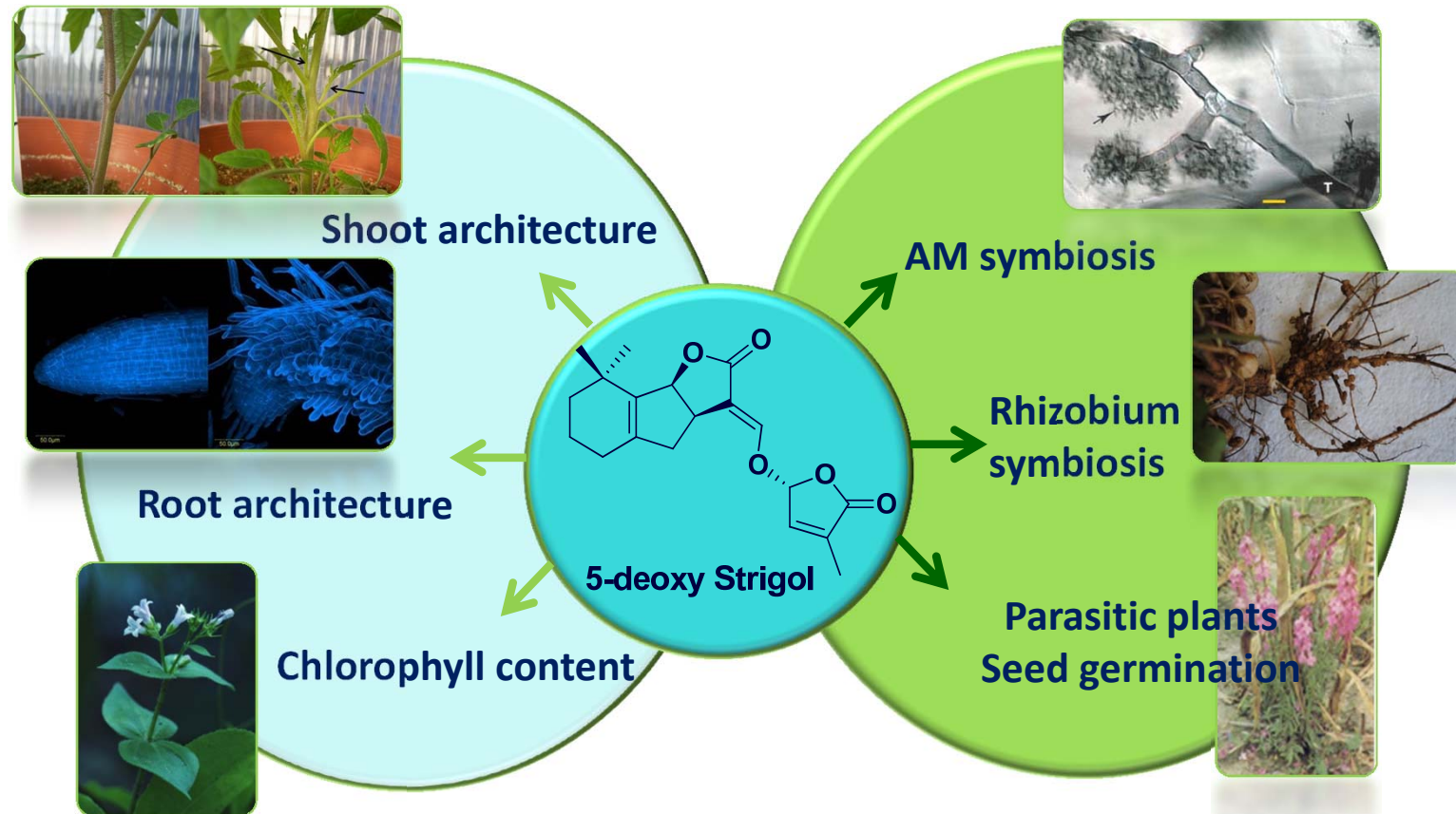
Year: *Starting*



Cristina Prandi

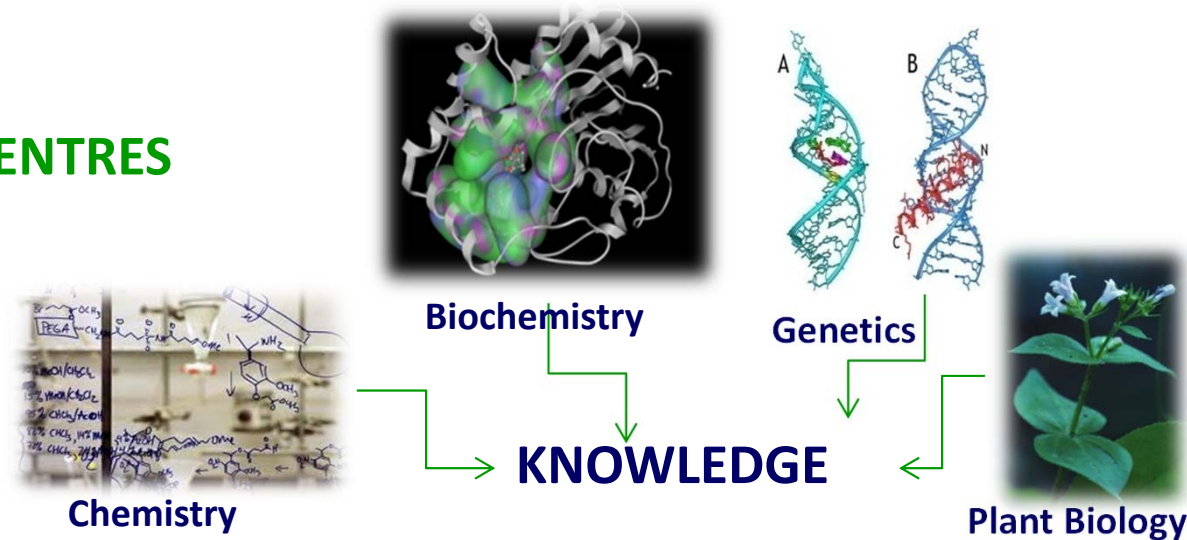
Chair

Department of Chemistry, University of Turin / Italy



STREAM main objective (from the *Memorandum of Understanding*):
the creation of a network of researchers studying the biology and potential exploitation of the SLs

RESEARCH CENTRES



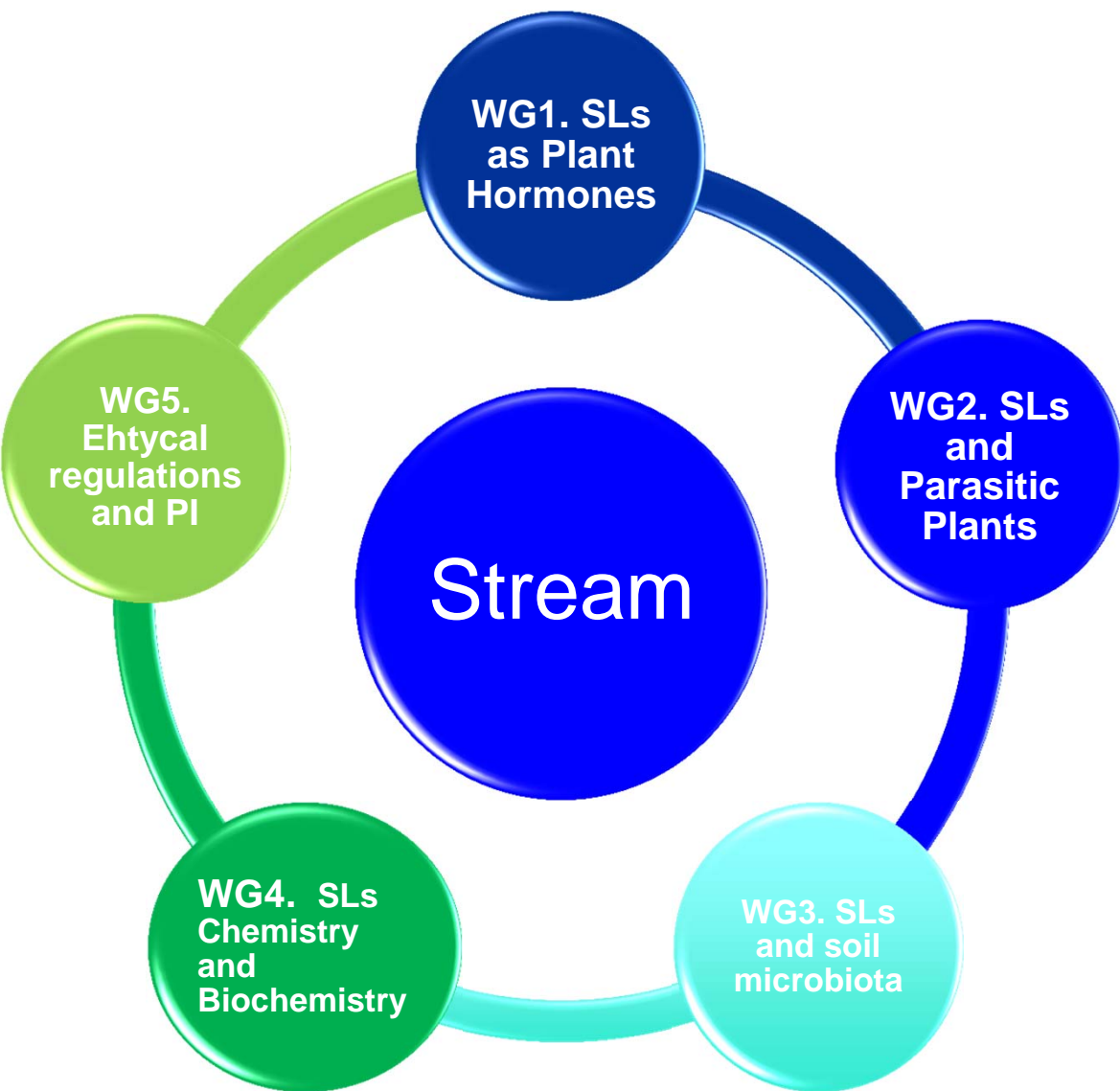
COMPANIES

New Methodologies in Sustainable Agriculture

STAKEHOLDERS

Approach and Methodology. Synergies are the *raison d'être* of **STREAM**. Complementaries between research teams in different domains of plant, fungi and bacteria biology and chemistry.

Innovative work. First official network in the world on this subject. Promotion of the EU leadership in SLs-related sciences, transfer of knowledge which may lead to the development of targeted and sustainable agro-technologies



Task 1. SLs as Plant Hormones (PH).

Deliverables: improved understanding of the role of SLs in root and shoot development



Task 2. SLs and Parasitic Plants (PP). Deliverables: increase knowledge on SLs interaction with parasitic plants. Develop concepts for the use of SL based strategies in the fight against parasitic plants.



Task 3. SLs and soil microbiota (SB). Deliverables. Discovery of new functions of SLs at molecular level and cellular evaluation of the efficacy of SLs as promoter of root symbioses in the field.



Task 4. SLs Chemistry and Biochemistry (CB). Deliverables. Library of new analogues. Will provide molecules for the other 3 Tasks.

Future Plan and Challenges

Consolidating the network : MC and WG meetings

SC meeting Turin, Italy September 2013

MC and WG1-4 meeting. Israel, November 2013

Krakov, April 2014. target to be defined

Fostering the network: STSMs promotion

Launch of first STMS in September 2013 (date to be checked).

Training from the network: 1st Training School

Organization of 1st Training School (period and content to be defined)

Dissemination of STREAM

Set up of a MC meeting concurrently with an event organized by the **European Innovation Partnership on Agriculture**. Promote the STREAM action at local or national level in each Country participating in the action (at least one promotion/each Country)

Expanding the network