

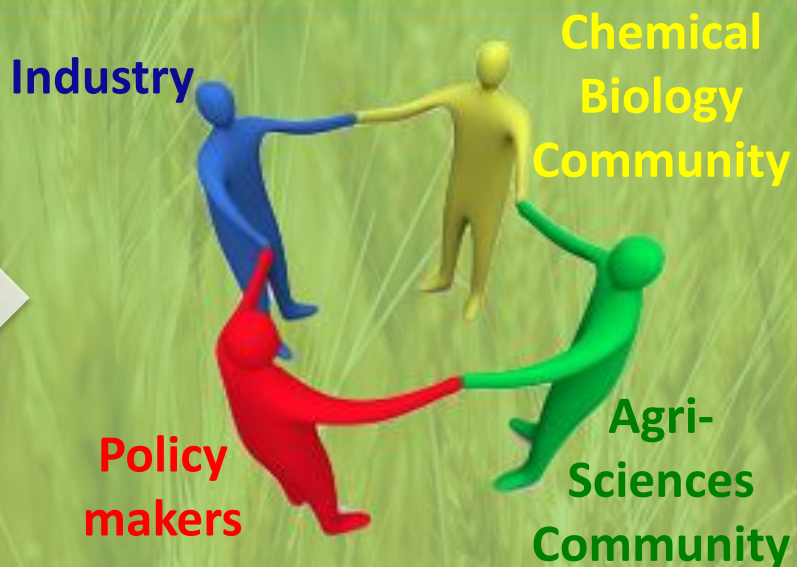


# AGRI-SCIENCE CHEMICAL BIOLOGY NETWORK

Vehicle for translation:  
Pioneering a cross-academic, industry  
and -government network



Stimulating development  
& facilitating translation  
of novel technologies to  
AGRI-science industrial  
stakeholders



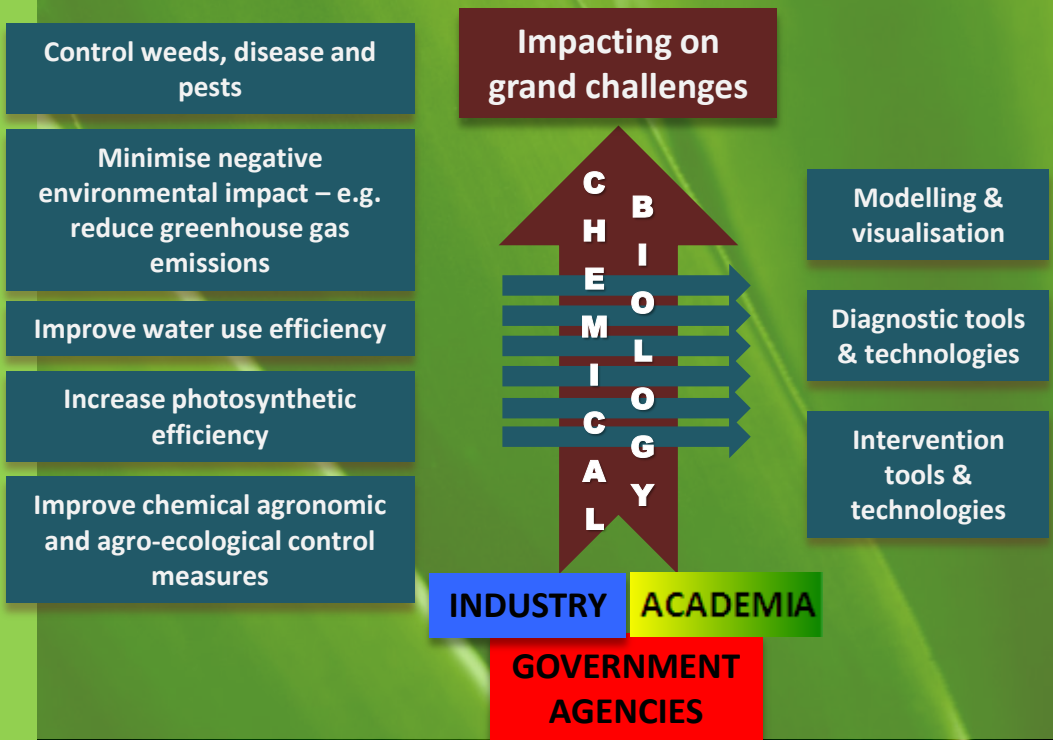


# MULTIDISCIPLINARY APPROACHES: DRIVING DEVELOPMENT OF TOOLS & TECHNOLOGIES FOR THE AGRI- SCIENCES COMMUNITY

**VISION:** The food, fibre and fuel requirements of our ever-increasing population are some of the major challenges facing society. This is resulting in a clear need for innovation and technology to increase crop productivity in a sustainable way. It is therefore vital that existing and new technologies be applied across the agri-sciences, (defined in this context as plant, fungal and insect sciences), with multidisciplinary approaches being the drivers enabling this. Chemical Biology through *physical science innovation* (in e.g. chemistry, physics, mathematics, engineering) is able to tackle biological problems on a molecular level and in so doing will lead to the development of novel technologies that will address future agri-science needs.

**AIMS:** AGRI-net will foster collaborations between leading cross-disciplinary groups and encourage partnerships with “end-users”. This will provide opportunities to further develop high-impact multidisciplinary research targeted at one of the world’s grand challenges, Crop Sustainability, and will strengthen the development of next-generation solutions for the agri-sciences. This type of cross fertilisation helps to provide realistic and accurate problem-led pull for newer technologies and inserts an additional technical push into established technologies

Exemplars of potential challenges that could be addressed through translation of chemical biology tools and technologies





# UNLOCKING THE POTENTIAL OF THE AGRI-SCIENCE CHEMICAL BIOLOGY RESEARCH LANDSCAPE

## AGRI-net MISSION:

- Provide a unique communication forum for academia, industry and government agencies whose interests are focused on tackling crop sustainability and protection using Chemical Biology tools and technologies.
- Enable both organically formed and focused collaborations between like minded researchers wanting to engage in multidisciplinary research addressing agri-science needs.

## A MULTILEVEL PROGRAMME:

- Host showcase “show-&-tell” events, scientific creativity “sandpit” events, industrial based conferences and seminars.
- Provide access to a variety of web-based systems, including a state-of-the-art virtual networking environment, which can be used for meetings, discussions and collaboration between participants in real time without need for co-location.
- Fund feasibility studies based upon ideas and strategic themes arising from the network interactions.
- Provide a platform to steer future research and policy directions.
- Encourage external outreach to engage with the general public. This is essential given the societal impact of the global challenge that the network is addressing.



**Creativity  
workshops**

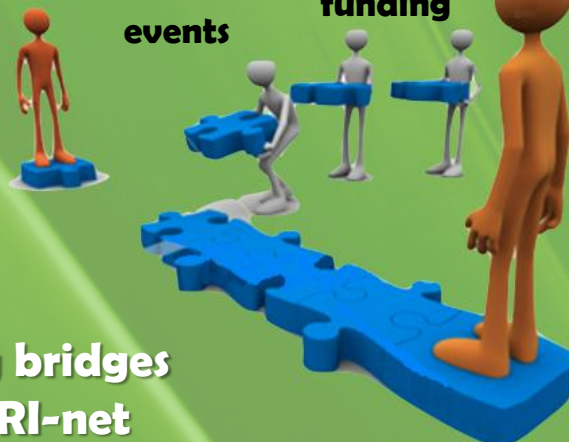
**Next  
generation  
web-based  
platforms**

**Building bridges  
with AGRI-net**

**Show  
and tell  
events**

**Pump-  
priming  
funding**

**Outreach**





# FORGING AN INTERNATIONAL COLLABORATIVE AGRI-SCIENCES RESEARCH INFORMATION NETWORK

## Contact details:

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