

Future COST Action:

Applications of low temperature plasmas in agriculture and food processing

Deadline for proposal submission: 7 September 2017.

COST website: http://www.cost.eu/participate/open_call

Reasons for the Action

- ‘Plasmas in agriculture’ is new, emerging interdisciplinary field of plasma applications.
- It is necessary to support sustainable development and decrease food/agriculture production losses to ensure sufficient production for future generations.
- Help to preserve natural plant potential of countries by helping save/spread endemic species
- It is necessary to establish a broad multidisciplinary research network building around existing European infrastructures.
- Applied research projects with industrial partners will be developed based on this platform.

Action objectives

Main objective will be to exchange relevant scientific results in the field of plasma applications in agriculture, food processing and nature preservation, to educate students through sharing facilities, knowledge and resources and promoting innovation through the cooperation with the industry.

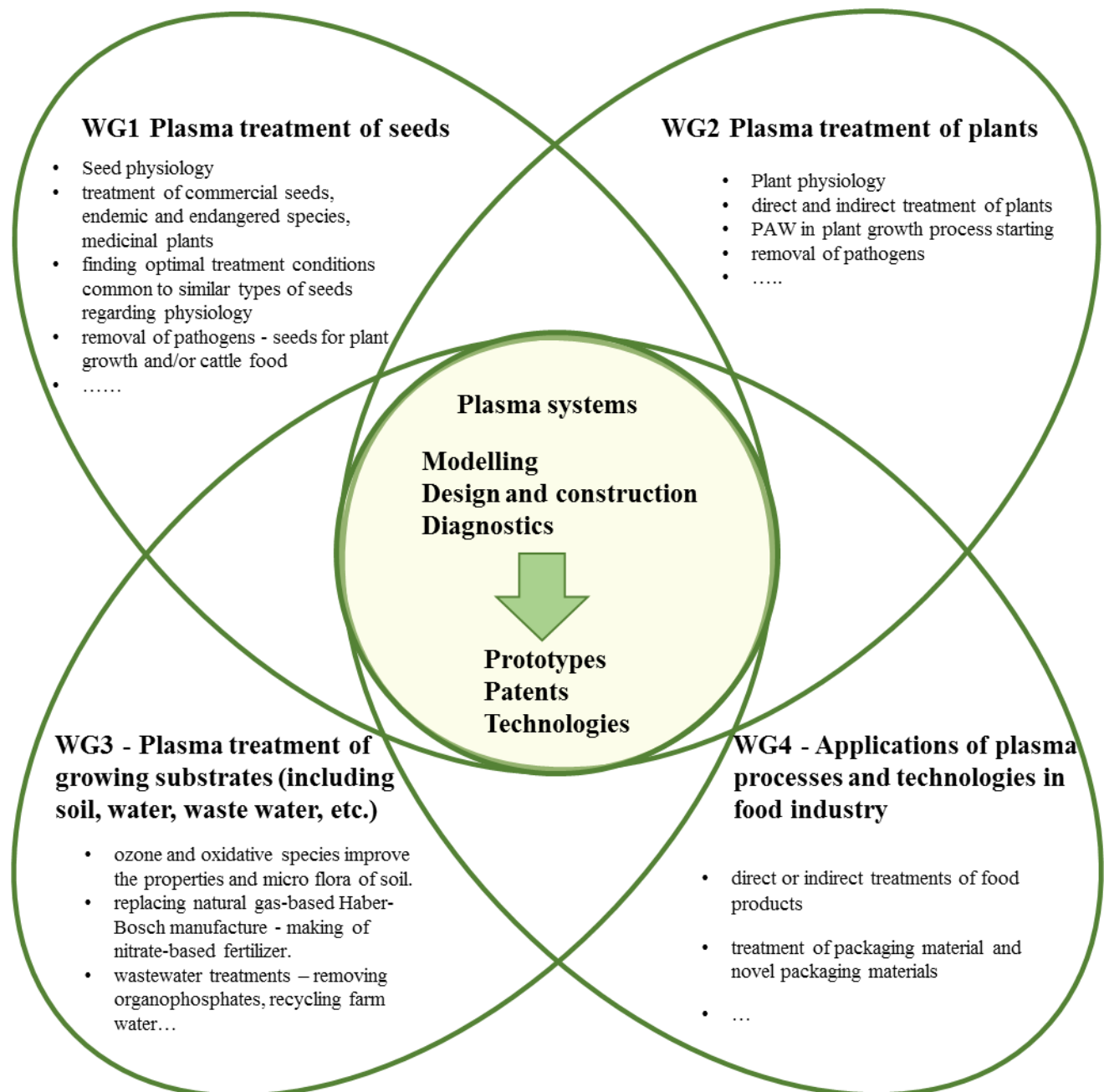
Target groups

- Academic members with expertise in agriculture, physics, chemistry, biology, food sciences, medicine and engineering, who study basic phenomena as well as applications.
- Companies focused on food treatment, packing, storage and distribution.
- The producers of any agricultural products including food, flowers, etc.
- Organizations focused on environmental problems and pollution.
- Companies developing plasma reactors, power supplies and devices.

PLASMAS IN AGRICULTURE

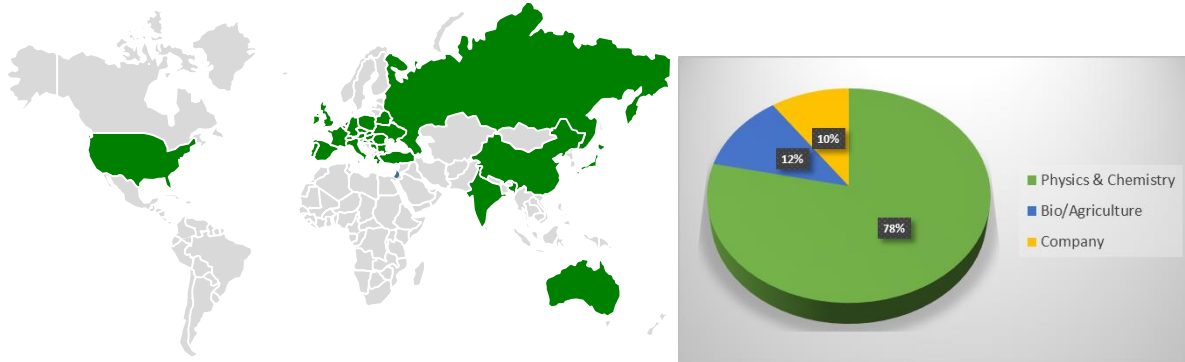
COST Action concept:

- WG1 - Plasma treatment of seeds
- WG2 - Plasma treatment of plants
- WG3 - Plasma treatment of growing substrates (including soil, water, waste water, etc.)
- WG4 - Applications of plasma processes and technologies in food industry



PLASMAS IN AGRICULTURE

Network:



- Total about 100 leaders (mainly plasma scientists) with more than 300 co-workers and PhD students.
- Non EU countries can participate under specific rules.
- **Still only a few people directly from Agriculture and from industry - please, contact your colleagues and suggest them to take active participation in this initiative.**

If you wish to contribute download and fill the file “Plasmas in agriculture_template.docx**” with relevant data and send it to **nevena@ipb.ac.rs** before **April, 14th 2017**.**
