



Harmonization and Innovation in PhD Study Programs for Plant Health in Sustainable Agriculture

HarISA
Meeting with stakeholders
February 4th 2021.

Prof. dr. sc. Renata Bažok
University of Zagreb, Faculty of Agriculture



Aim of the meeting

- to present the project and the plan for new joint PhD study program;
- to discuss with stakeholders on how all external stakeholders (not only those involved in the project as associated partners) can contribute to project success.
- to discuss with stakeholders how they can benefit from project results

Let's meet each other:

- Please introduce yourself with few sentences:



Project
duration

- 15.01.2019.
- 14.01.2022.

Budget

- 967,614.00 € (EU)



ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ





Project coordinator:

- University of Zagreb, Faculty of Agriculture

EU partners (4)

- J. J. Strossmayer University of Osijek, Agricultural faculty, Croatia
- University „Aldo Moro” Bari
- Agricultural University Plovdiv
- Agricultural University of Athens

Non-EU partners (7)

- Fan Noli University, Korce, Albania
- Agricultural University of Tirana, Albania
- University of Mostar, Bosna and Hercegovina
- University of Sarajevo, Bosna and Hercegovina
- University of Belgrade
- University of Novi Sad
- University of Montenegro, Montenegro



ASSOCIATED PARTNERS

Associated partner	PI	Name of the representative	Position
Croatian Plant Protection Society (HDBZ)	FAZ	Jasminka Igrc Barčić	President
Centro di Ricerca, Sperimentazione e Formazione in Agricoltura "Basile Caramia" (CRSFA)	UNIBA	Crescenza Dongiovanni	Responsible of the Bioassay center
Istituto per la Protezione Sostenibile delle Piante del Consiglio Nazionale delle Ricerche) (IPSP)	UNIBA	Pierfederico La Notte	Researcher
Mediterranean Agronomic Institute of Chania in Crete (CIHEAM_MAICH)	AUA	Ioannis Livieratos	Studies & Research Coordinator, Dept. Sustainable Agriculture
NATIONAL AGENCY FOR SCIENTIFIC RESEARCH AND INNOVATIONI /NASRI	AUT	Robert Dumi	Director of Agency
Kantina e pijeve "Gjergj Kastrioti Skenderbeu", Sha. Canteen of beverages "Gjergj Kastrioti Skenderbeu", Sha. KANTINA	AUT	Jordan Merkuri	Director of Didactic Center
Društvo za zaštitu bilja u Bosni i Hercegovini Plant Protection Society in Bosnia and Herzegovina DZBBIH	UNSA	Meho Majdančić	President
Društvo za zaštitu bilja Srbije/Plant protection society of	UIB	Brankica Tanjević	President

WIDER OBJECTIVES

- (i) to improve the quality of higher education and enhance its relevance for the labour market and society;
- (ii) to improve the level of competences and skills in HEIs by developing new and innovative education programs.





SPECIFIC OBJECTIVE (1)

-to harmonize, improve and modernize the doctoral study programs in plant health among partner universities in order to increase the competences and skills of PhD candidates to respond to the global plant health issues;



SPECIFIC OBJECTIVE (2)

-to develop joint framework and draft of the curriculum of International Joint PhD study program in Plant Health;



SPECIFIC OBJECTIVE (3)

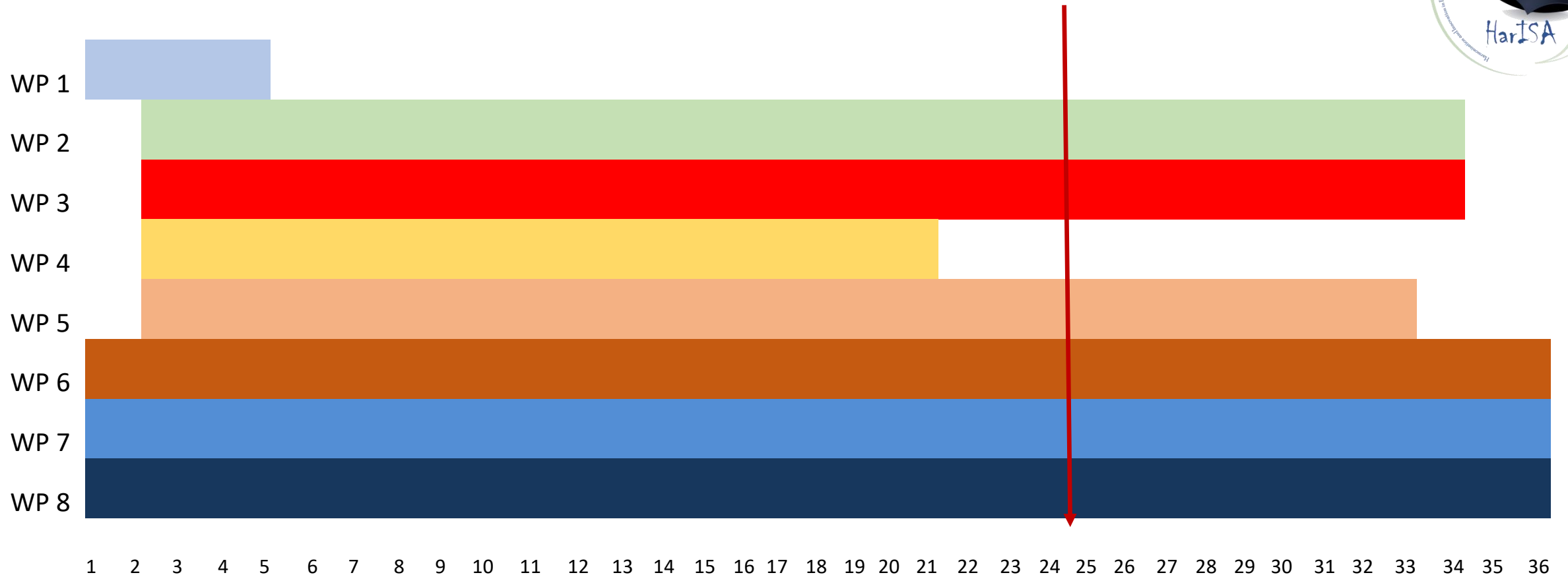
-to foster regional integration in the field of plant health research and education among WBC and between WBC and EU.

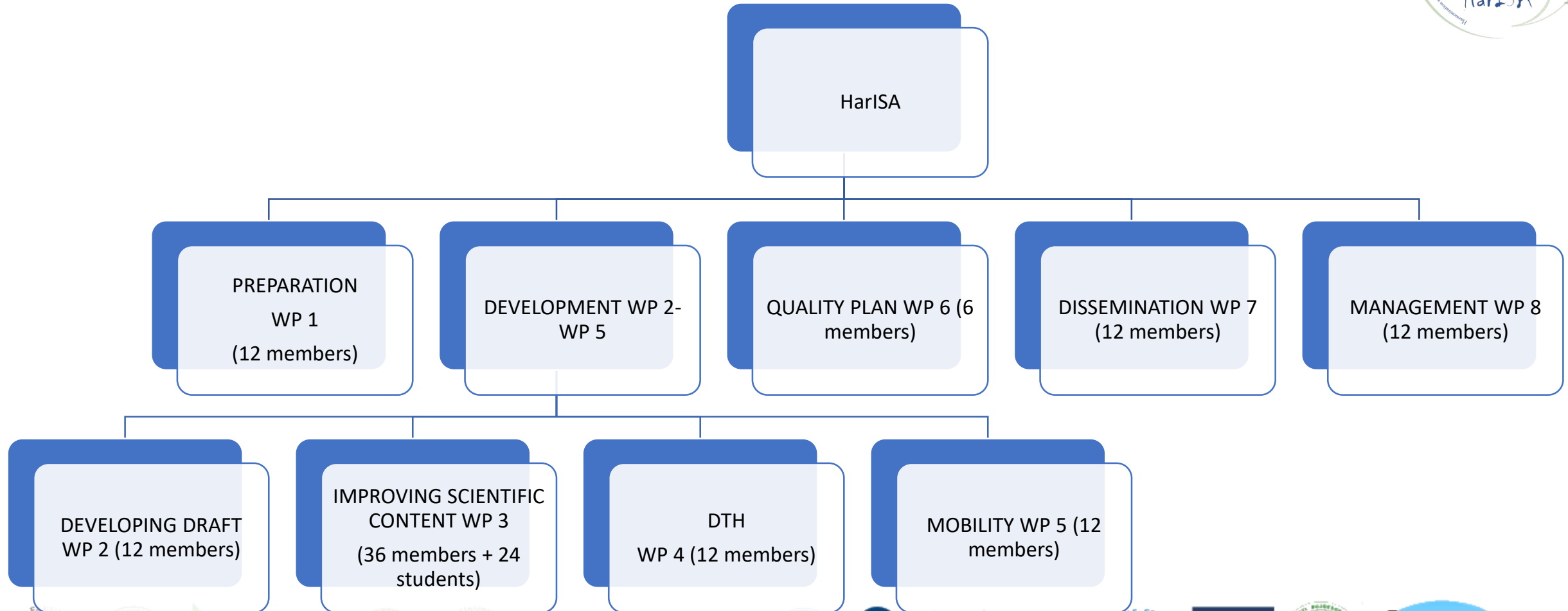




	WORK PACKAGE	Short	SHORT TITLE
PREPARATION	WP 1	Review of partners PhD study programs	REVIEW
DEVELOPMENT	WP 2	Developing the joint framework for harmonization of the PhD study programs and a curriculum draft	DEVELOPING DRAFT
	WP 3	Improvement of the scientific content	IMPROVEMENT
	WP 4	Establishment of diagnostic and training hubs (DTH)	DTH
	WP 5	Organisation of the PhD students and staff mobility and training	MOBILITY
QUALITY PLAN	WP 6	Quality control and monitoring	QUALITY CONTROL
DISSEMINATION & EXPLOITATION	WP 7	Dissemination	DISSEMINATION
MANAGEMENT	WP 8	Project management	MANAGEMENT









WP 1

- To review the existing PhD study program;
- To establish the compliance of the existing PhD study programs (SWOT analysis) with Bologna process and with national and EU qualification framework;
- To establish how the existing courses are addressing national, regional and EU priorities in plant health issues;

WP 2

- To discuss the practices for tutoring and management of PhD study program among PIs;
- To identify and exchange the best practices to be proposed as guidelines of newly developed draft;
- To discuss and identify how a joint curriculum has to respond to the research and education needs for plant health in sustainable agriculture;
- To analyse the scientific contents of the existing courses related to Plant Health taught at PIs and how they correspond to the national, regional and EU priorities;
- To develop the roadmap for the arrangement of an International Joint PhD study program in Plant Health for Sustainable Agriculture as the first step prior to the developing a curriculum;
- To develop the first draft of a curriculum of an International Joint PhD study program in Plant Health for Sustainable Agriculture;



ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ



WP 3

- To improve the courses that are currently taught in partners PhD study programs (by developing teaching material, improve teaching methods and tools);
- To propose new courses (subjects);
- To improve scientific contents of the PhD research topics held at PIs;
- To organize scientific conference and to present PhD work of the students;

WP 4

- To develop the selection criteria and identify the excellence of scientific groups within the PIs from partner countries;
- To upgrade existing facilities in service of PhD students', staff and professionals' needs;
- To establish diagnostic and training hubs with high expertise in particular fields available to serve as regional centers for education and spreading knowledge;



WP 5

- To organize student and staff mobility;
- To implement joint research among PIs;
- To ensure the sustainability of PhD study programs in Plant Health;
- To provide platform for future cooperation in research and education in order to be more involved in EU networks and projects, to support intra-WBC networking and create a platform of competences;

WP 6

- To monitor and evaluate project progress and management;
- To evaluate the developed courses and the draft of the curriculum;





WP 7

- To disseminate the project results;
- To engage PhD students and scientists;
- To promote research results related to plant health for sustainable agriculture;

WP 8

- Ensure a structured, timely, cost efficient and successful project start, implementation, reporting, controlling, project internal communication and project finalization;
- Develop and update detailed project plans;
- Provide necessary guidelines and guidance and support to the WP Leaders;
- Organize and moderate consortium and management relevant meetings;
- Support the decision making process in the project;
- Coordinate overall project activities;
- Support and enable the project internal communication (in collaboration also with the Dissemination WP);
- Support the work of Stakeholder Board (SB);
- Coordinate the financial and content related reports;
- Support the mandatory project audit;
- Development of any additional necessary project documentation;



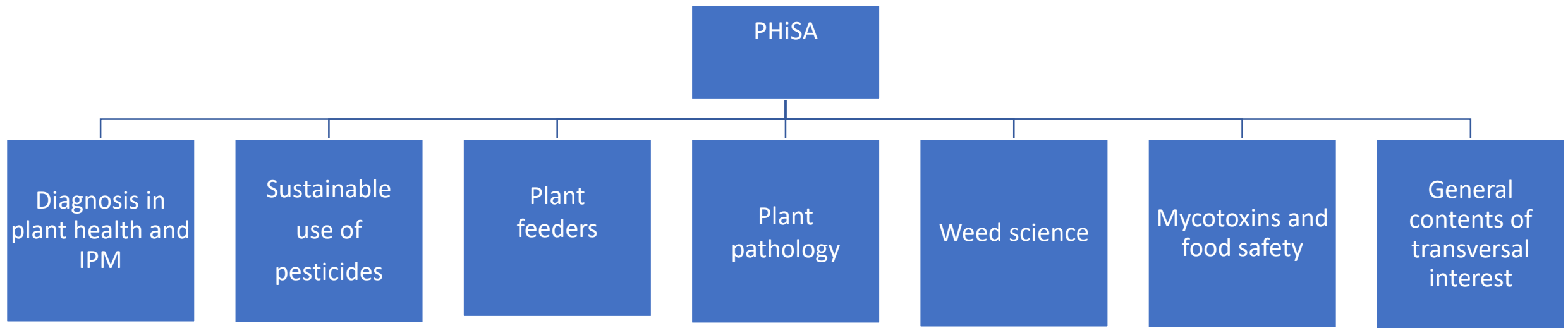
COMPLETED UNTIL NOW

- Document Joint analyze of the partners PhD study programs – available on: <https://harisa.site123.me/results-and-progress/joint-analyse>
- Document: Learning outcomes - available on: <https://harisa.site123.me/results-and-progress/learning-outcomes>
- Document: Internal rules of joint PhD study program in plant health in sustainable agriculture - available on: <https://harisa.site123.me/results-and-progress/internal-rules-of-joint-phd-study-program-in-plant-health-in-sustainable-agriculture>

JOINT PhD PROGRAM IN "PLANT HEALTH IN SUSTAINABLE AGRICULTURE"(PHISA)

LEARNING OUTCOMES:

- 1. Demonstrate the mastery of skills to critically apply range of existing theories, methods and tools for ensuring plant health in sustainable agriculture
- 2. Demonstrate the ability to conceive, design and conduct research and publish the results in high-ranking journals with the aim of disseminating new knowledge and to apply new knowledge and skills
- 3. Critically analyze and evaluate the results of its own scientific research, interpret and argue against larger and more complex social groups and present the latest technical, technological and socio-economic knowledge in the field of plant health in sustainable agriculture
- 4. Actively participate in the preparation of studies, project proposals, strategic and operational documents in the field of plant health in sustainable agriculture
- 5. Create new proposals (individually and/or in teams) to solve the problem related to plant health following the principles of sustainability in changing and unknown environmental, productive, economic and socio-political conditions and circumstances
- 6. Individually suggest and take part in the adoption of measures for agricultural, environmental and rural development policies related to plant health.
- 7. Follow, synthesize and evaluate national and international scientific and professional literature and to evaluate the scientific and professional work in the field of plant health



FOR EACH FOCUS AREA SPECIFIC LEARNING OUTCOMES ARE DEFINED

Diagnosis in plant health and IPM

PROPOSED COURSES

- Advanced diagnostic methods and techniques for detection of prejudicial and beneficial organisms
- Integrated approach to surveillance of prejudicial organisms affecting plant health
- Control of quarantine prejudicial organisms, managing of non-native beneficial organisms and evaluation of risk assessment based on EU protocols

Sustainable use of pesticides

PROPOSED COURSES

- Plant Protection Products in Sustainable Agriculture
- Environmental fate of pesticides
- Toxicology and Ecotoxicology of pesticides

Plant feeders

PROPOSED COURSES

- Advanced techniques in plant feeders
- Frontiers in invertebrate pest and resistance management
- Advanced invertebrate pathology
- Invasive alien pests
- Vectors of plant pathogens
- Integrated Management of urban pests

Plant pathology

PROPOSED COURSES

- Molecular Plant Microbe Interactions

Weed science

PROPOSED COURSES

- Weed management in precision agriculture
- Modelling in Weed Science
- Invasive plant species

Mycotoxins and food safety

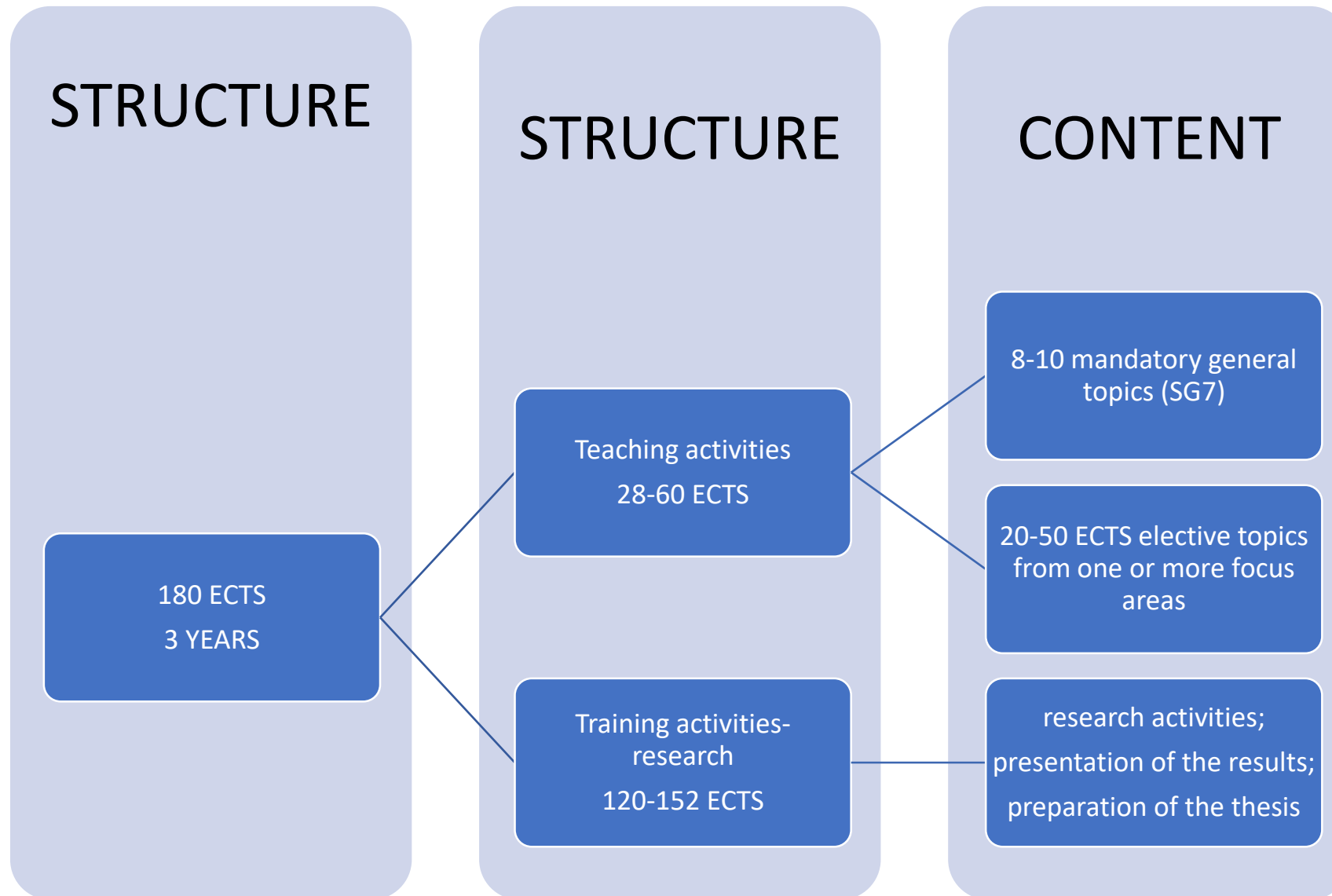
PROPOSED COURSES

- Mycotoxins and food safety

General contents of transversal interest

PROPOSED COURSES

- Principles of Scientific Work in Bio-science
- Bio-diversity and bio-indicators in sustainable agriculture
- GIS & Spatial Data Analysis
- Bio-informatics
- Knowledge and management of research funding systems



PhD students must carry out study periods abroad in public or private institutions for research needs related to the PhD project for at least six months, also non-continulative.

DIPLOMA

- diploma will be issued by two institutions: home institution where the candidate is enrolled and partner University from which the second supervisor is based. Rectors of both institutions are assigned to award student with the diploma and promotion will take place at home university.

To discuss with stakeholders on how all external stakeholders (not only those involved in the project as associated partners) can contribute to project success.

- Stakeholder contribution is mainly expected in advising project team on issues related to the curriculum content and organization.
- In addition, stakeholders may participate in some of the activities according to their capacities and willingness as are participation in the discussion on the research needs;
- recruiting PhD students, supporting PhD students in identifying the financial resources for PhD research etc.);
- IDEAS????

To discuss with stakeholders how they can benefit from project results.

- Networking with researchers and students at international level; recruiting ambitious young professionals; realizing project ideas etc..
- IDEAS????



Thank you for your attention!!!



Harmonization and Innovation in PhD Study Programs for Plant Health in Sustainable Agriculture –HarISA is a Erasmus+ project funded with the support of the European Union. Project Number: 598444-EPP-1-2018-1-HR-EPPKA2-CBHE-JP (2018-2472 / 001-001)