

Meeting: Work package 3 (DEVELOPMENT- Improving the scientific content)

Date of Meeting: 10/06/2019, 11/06/2019

Minutes Prepared By: Martina Kadoić Balaško

1. Purpose of Meeting

- discussion on the improvements of the existing and developing the new courses
- identify similarities and differences among courses;
- propose improvements related to teaching materials, teaching methods and tools

2. Agenda

1. Appointment of the Minute-taker Secretary of WP3 meeting
2. Analyse the existing subjects taught at PIs, by comparison of: methods, tools, human capacities, and learning outcomes;
3. Propose changes according to comparison

3. Meeting Notes, Decisions, Issues

- The meeting of WP3 started at 15:30 on 10/06/ and at 08:30 on 11/06 with parallel workshops in subgroups AD-2 (2.3. and 2.4.) and joint meeting at 10:30 on 11/06 according to the program of the 2nd meeting on 598444-EPP-1-2018-1-HR-EPPKA2-CBHE-JP project " Harmonization and Innovation in PhD Study Programs for Plant Health in Sustainable Agriculture –HarISA".
- The meeting of WP3 was chaired by Eustachio Tarasco as one of the Leader of WP3.
- Martina Kadoić Balaško (FAZ) was unanimously appointed as Minute-taker Secretary of the WP3 meeting.
- Each subgroup had a task to prepare the joint list of the courses available at all PIs, identify the courses with similar learning outcomes, identify the courses that maybe don't fit exactly in their specific subgroup and discuss in which group they fit. Also, to review and suggested if some important area or topic is not covered by the proposed list and to discuss if there is something that can be improved in specific courses. Project leader Renata Bažok said it is very important to have a list of courses for each subgroup, to discuss is it in god subgroup and she suggested that everybody at local level sit together and decide where to put their subjects.
- The first subgroup, diagnosis in plant health and IPM represented by: Maja Čačija said that in their subgroup courses are mostly good defined; only Agricultural University Plovdiv doesn't have any courses in this area.
- Second subgroup, sustainable use of pesticides, represented by Matteo Spagnuolo and Uroš Vojnović said that some institutions don't have courses with this theme. Those universities who have the courses in this theme, competences are mostly similar. They suggested to merge some similar courses. Area that is not covered is mitigation of plant protect products and remediation. Their suggestion is to increase the knowledge about molecular biology.
- Third subgroup, plant feeders, represented by Ivana Majić have 42 courses in total. The suggestion is to remove some of them because they are not belong to plant feeders. Those courses are zoocides, urban entomology and anatomy of infested plants. Also this subgroup suggested forming a new subgroup for bio



Co-funded by the European Union

pesticides and beneficial organisms because it is the future of agriculture and it is a very important subject. It is very important also to upgrade courses to advance level. Ivana suggested that every institution should prepare a document based on self-assessment with those questions, and proposed what to change. Then sit together and evaluate.

- Fourth subgroup, plant pathology conclude that they have to many subject about micology, bacteriology, virology, detection of pathogens, and not enough courses about bioinformatics, plant – microbe interaction, molecular methods courses. Main conclusion was that it should be more lab work and less courses.
- Fifth subgroup, weed science represented by Maja Ščepanović said that 5 Universities don't have weed science courses. Also, Herbology is not a good term and it should be weed science. They had a problem with learning outcomes because there wasn't outcomes for each subject, new analyze will be necessary, also, the suggested to rename only "Weed science" to "Weed science and management" but not everybody agreed with that so it should be more discussion about that. For improvement the suggested new courses about weed modeling and weed mapping what is already being taught at University of Athens at Master level so it can be upgraded to higher level..
- Sixth subgroup, mycotoxins and food safety, they didn't have the detailed content for each course so they will do a new analyze. They suggested new subjects about Food toxicology and phytotoxins.
- Seventh subgroup, general contents of transversal interest it is a specific group so they couldn't answer all the questions. Their suggestion is that after the meeting this group should make subsubgroups inside it self, also there is a need to reselect the courses, and introduce new themes like bioinformatics, genetics, biodiversity, sustainable agriculture.
- Final conclusions:
 - there is a need for revision of all documents, and to the reselection courses that are related do plant health, statistic, IT, etics, some subjects may belong in two subgroups, so it should add second choice also.
 - Everybody should put together all people who teach, to revise, and reshape learning outcomes or to writing them. Everything should be revised before the next meeting in Belgrad

The meeting was concluded on 11/06 at 11:30 am.

Eustachio Tarasco, Associate Professor

Minute-taker Secretary:

Martina Kadoić Balaško

Martina Kadoić Balaško, MSc