**Erasmus+ Project**

**New curricula in Precision Agriculture using GIS technologies and sensing data**

**(CUPAGIS)**

**Online Master Classes**

**January 2021**

# Online Master Classes Program

| January 2021 (Central European Time) | |
|---|---|
| **Wed. 13.01.2021** | **Prof. Dr. Dimo Atanasov** **Agricultural University – Plovdiv, Plovdiv, Bulgaria** |
| 10:30- 12:30 | **General introduction of modern agriculture and business** |
| | - World's natural resources - realities, challenges, possibilities<br><br>- Economic growth and sustainability<br><br>- Agricultural production systems - specifics, types and functions<br><br>- Relationships between resources, technologies and production<br><br>- Innovations in agriculture |

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| **Thu. 14.01.2021** | **Prof. František Kumhála** **Czech university of life sciences Prague, Prague, the Czech Republic** |
| 10:30 – 12:30 | **Yield Sensors for Precision Agriculture** |
| | - Basic overview<br><br>- Yield sensors for grain - basic principles<br><br>- Yield sensors for grain - calibration, errors |

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| **Fr. 15.01.2021** | **Prof. Krum Hristov** **Agricultural University – Plovdiv, Plovdiv, Bulgaria** |
| 10:30 – 12:30 | **Global Navigation Satellite Systems (NAVSTAR, GLONASS, GALILEO, etc.)** |
| | - GNSS Overview and Architecture. Coordinate and Time Systems<br><br>- Basic GNSS Concepts. Satellite Systems<br><br>- GPS (Global Positioning System, United States) |

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| **Tue. 26.01.2021** | **Dr. Jan Chyba** **Czech university of life sciences Prague, Prague, the Czech Republic** |
| 10:00 – 12:00 | **Introduction to the course, Soil importance & basics** |
| | Definition, division, importance & critical aspects |