



# AgriFutureDay 2019

## WHEN – IF NOT NOW!

**Program, 25.10.2019, Location: Parkhotel, A-9500 Villach, Austria**  
**All presentations available via internet with global live presentations!**

- 9:00 – 9:10**      **Opening & Welcome & Club of Ossiach introduction**  
Walter H. Mayer, CoO, A & Karel Charvat, CoO, CZ
- 9:10 – 9:20**      **“forForest in Carinthia” and “Cooperation of education - culture – nature”**  
Alfred Woschitz, A
- 9:20 – 9:45**      **Oki talk: Digital Sustainable Agriculture Forest Environment & natural Risk Management – The 1<sup>st</sup> global SAFER radio and TV station – You also can take part!**  
Thomas Ulbrich & Klaus Glatzel, A
- 9:45 – 10:00**    **IT based education – for SAFER environment - a need, a must!**  
Irina SOCOL, Siveco, and Vladu Ovidiu, both RO
- 10:00 – 10:25**    **Solutions with Digital Platforms & ICT-based Big Data Management**  
DI Herwig Zeiner, JOANNEUM RESEARCH, A
- 10:25 – 10:45**    COFFEE BREAK
- 10:45 – 11:45**    **Ecology Balance - a future element of precise sustainable nationwide, cross-border results**  
Univ. Prof. Dr. Franz Hörmann, A
- 11:45 – 12:15**    **The legal framework, it’s here or not here, for a global sustainable result!**  
Nikolet Zwart, NL
- 12:15 – 12:20**    **Geology, soil and meteorology as fundament for sustainable developments**  
Univ. Dr. Alfred Pitterle, forCERT, A
- 12:20 – 12:30**    **Brain & education & new models for cooperation (Youtube – Thoughts for food)**  
Univ.Prof. Dr. Hüther, GER
- 12:30 – 13:30**    LUNCH BREAK



- 13:30 – 14:00** **Current state-of-the-art in satellite data processing: time series data for up-to-date maps and improved thematic insights.**  
Dr. Manuela Hirschmugl, Joanneum Research, A
- 14:00 – 14:30** **SmartAgriHubs: FOODIE DiH (Digital innovation Hub) vision**  
Sarka Horakova & Karel Charvat, WirelessInfo, CZ  
**Current EC Projects for Agriculture (EUXDAT, EO4AGRI, PoliRural)**  
Sarka Horakova & Karel Charvat & Walter Mayer
- 14:30 – 14:50** **Ear-marks linked with GIS - animals online**  
Vladu Ovidiu, Ro
- 14:50 – 15:00** **The SAFER Digital Country Consortium – a cooperative Club - global**  
Vladu Ovidiu, Ro
- 15:00 – 15:30** BREAK
- 15:30 – 17:00** **Technology available past ok but local, regional, low acceptance - technologies of tomorrow, global giant benefits, supporting new, cooperative business models plus emergence thinking with and integration of elements. A must for future cooperation and precise ecology valuation with 30 years experience in Austria (FBVA, DI Frank) and High Res Satellite Images for entire countries (EOX, DI Triebnig) and weather data (M. Lavollay, BEL)**  
  
DI Walter H. Mayer, A
- 17:00 – 17:30** **DISCUSSIONS**
- 18:00 – 19:00** **PRESS CONFERENCE**



## **Club of Ossiach and PROGIS Workshop 2019**

**Technology for economic + ecologic + damage-valuation for a future-oriented  
SAFER = Sustainable Agriculture Forestry Environment and Risk-Management**

**Location:** 9500 Villach, Hotel Kramer, 28.-30.10.2019,

**Presenter:** DI Walter H. MAYER, PROGIS, ZT/SV/speaker:

1. GIS (Geographical Information System WinGIS) - WHERE – WHEN – WHAT – 25 y. and many news
2. Raster (satellite-, drone-image), vector maps (cadastre, precision farming, soil, weather, .....)
3. Historic information for a better future prognosis with history images and new technologies
4. Base data: agriculture, forestry, environment - local origin and local support need
5. Database applications – standard and local adapted with SDK
6. Organizational needs for the different structures like farmers, Ministry, advisors, buyers, sellers, machine users, .....; regional farming and forestry methods incl: SAFER inventory
7. Cooperatives and new management methods to support all partners
8. Integration of emergent structures and benefits or collisions based on them
9. Economy and ecology targets under emergent topics
10. Economy and ecology valuation under integration of ecology balances
11. Ecology balance for entities, integrating to regions and even cross-border balances
12. The valuation model according the Austrian Civil-Engineer Chamber Code
13. Real value method, earning/income valuation and traffic worth/sales valuation
14. Legal environment and local differences and future needs
15. The global verification model
16. SAFER basic-data for all countries (195) - in total around 60.000 data like:
17. Land size, population, arable land, permanent crops, pastures/meadows, forests,
18. Development during last centuries, decades and agro land total, forest land total
19. Cost calculation for every land (5+% test, entire country) for images and IT solutions
20. Local data recording by local experts – timing, costs, methods
21. Local bonities (quality of land, kcal/ha or kg or t/ha) and verification method
22. as fundament for a link to total new mathematical models for quality verification
23. and link to history data for a better future prognosis.
24. National economic data to verify the benefits
25. Income and cost calculation models for agro- and forest- management
26. Damage valuation for local, regional and entire countries
27. Real value reduction, soil value reduction
28. Earning reduction, Ecology valuation models and Ecology value reduction
29. Emergence methods to verify the entire situation
30. Compare damage valuation with country debts
31. Responsibility for damages and legal tasks
32. Solutions to solve it sustainable including values of ecology management
33. Industry-, person-, region-, country-, and cross-border balancing models
34. Legal framework to avoid damages without taking responsibilities into considerations
35. Statistical and mathematical future models with mathematical background and
36. New links between mathematic, geometry, geodesy, photogrammetry and a link to new
37. statistical models to support the precision for entire country valuation
38. Discussions and next steps for the setup of a global expert group!