

SUMCULA UPDATE

Minutes of the SUMCULA International Short-Term Joint Staff Training Event and Management Meeting in Palermo, Italy, 2018.10.24 – 2018.10.28 and information regarding the SUMCULA Multiplying Event and Management Meeting in Tarragona, Catalonia, Spain, 2019.01.23 – 2019.01.25. (Completed with some elements from local institutional meetings in Hungary, Poland and Slovakia)

The programme was arranged at the University of Palermo by Dr. Giuseppe Lo Papa, Prof. Dr. Carmelo Dazzi and the SUMCULA Strategic Group of the University. Most of the partner organizations sent their representatives for this meeting, only three partner organizations were absent, they have sent their contributions electronically. Following organisations attended the event:

European Ecocycles Society (ECyS), Hungary

1. Bujdosó, Zoltán – Eszterházy Károly University, Károly Róbert Campus, Gyöngyös, Hungary
2. Kocsis, Klára – European Ecocycles Society (ECyS)
3. Szalontay, Ágnes – on behalf of ECyS NoExit Games Ltd. Budapest, Hungary
4. Szalontay, István – on behalf of ECyS NoExit Games Ltd. Budapest, Hungary
5. Szalontay, Márk – on behalf of ECyS NoExit Games Ltd. Budapest, Hungary

Lake Balaton Development Coordination Agency (LBDCA), Siófok, Hungary

1. Hegedűs, István

Gaia Education, Findhorn, Scotland, UK

1. East, May

Slovak Agricultural University, Nitra, Slovakia

1. Floriš, Norbert
2. Palšová, Lucia

Universitat Rovira i Virgili (URV), Tarragona, Catalonia, Spain

1. Blay, Jordi
2. Mas, Albert
3. Saladié, Oscar

University College of Tourism and Ecology (WSTiE), Sucha Beskidzka, Poland

1. Durmała, Marek

University of Gothenburg, Gothenburg, Sweden (coordinating institution)

1. Gustavsson, Eva
2. Lagerqvist, Bosse
3. Némethy, Sándor
4. Nilsson, Anders (invited by GU, representing Västarvet, Västra Götalands Region)
5. Olausson, Inger

University of Palermo, Italy (host Institution, group leader Giuseppe Lo Papa)

- | | |
|-------------------------|--------------------------|
| 1. Bazan, Giuseppe | 9. Miles, Arthur Richard |
| 2. Belfiore, Carmelo | 10. Pepe, Paola |
| 3. Columba, Pietro | 11. Pisciotta, Antonio |
| 4. Cusimano, Girolamo | 12. Ruggieri, Giovanni |
| 5. Leone, Manfredi | 13. Sabato, Gaetano |
| 6. Lo Papa, Giuseppe | 14. Scarone, Valeria |
| 7. Mancuso, Rosanna | 15. Trapani, Ferdinando |
| 8. Mercantani, Leonardo | |

University of Pannonia, Hungary

1. Kovács, Barnabás
2. Alföldi, Zoltán

University of Pécs, Hungary

1. Gaál, Krisztián
2. Kocsis, Marianna

3. Szemethy, László

Absent partner organizations (due to unexpected problems, reasons of absence acknowledged): UniLaSalle – Ecole Metiers L'environnement (EME), Bruz, France; Mendel University, Brno, Czech Republic; University of Applied Sciences Dresden (HTW), Germany.

PROGRAMME

Wednesday 24th October 2018 Aula Magna – Dipartimento di Scienze Agrarie, Alimentari e Forestali (ed. 4)	
09.00 – 09.30	GREETINGS, INTRODUCTION
09.30 – 10.15	Sándor Némethy (Project Coordinator): The structure and the functions of the SUMCULA project – platform creating international cooperation, holistic interdisciplinary education and research
10.15 – 11.15	STAFF TRAINING SESSION <ul style="list-style-type: none"> • May East: Participatory approaches to Advancing the Sustainable Development Goals
11.15 – 11.45	COFFEE BREAK
11.45 – 12.15	STAFF TRAINING SESSION <ul style="list-style-type: none"> • Zoltán Bujdosó: Tisza Lake – a multipurpose artificial and sustainable cultural landscape
12.15 – 13.45	LUNCH
13:45 – 14:45	STAFF TRAINING SESSION <ul style="list-style-type: none"> • Anders M. Nilsson: Planned Landscape Observatory in the Västra Götaland Region, Sweden – ecocycle-based decision support systems for environmental protection, ecomuseum-management and regional development; 13:45 – 14:15 • Barnabás Kovács: Sustainable viticultural landscape management in the region of lake Balaton; 14:15 – 14:45
14.45 – 17.00	SUMCULA Administration meeting - <i>Chair: Sándor Némethy</i> <ol style="list-style-type: none"> 1. Organizing the strategic working groups within each partner organization and completing the list of key competences 2. Important partnership: Västarvet, Västra Götalands Region, Sweden 3. Communication e-platform – to be delivered by UNIPA 4. The international MSc programme SUMCULA – requested outcomes, international marketing, accreditation problems in the partner countries – viable solutions, achievements to date 5. Erasmus bilateral agreements: teaching staff, student, and administrative staff mobility – everybody with everybody 6. Reporting requirements, economical reporting, rules of spending and transfer possibilities between positions 7. Organizing on-line meetings monthly through the electronic communication platform provided 8. Preparation of the Multiplying event and management meeting in Tarragona 23 – 26 January 2018 9. Planning intensive programmes, further staff training events and management meetings

20.30 –	SOCIAL DINNER
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Thursday 25th October 2018 Aula Magna – Scuola Politecnica (ed. 7)	
09.00 – 11.00	STAFF TRAINING SESSION <ul style="list-style-type: none"> - <i>E-learning and the Moodle platform (Arthur Richard Miles - Rosanna Mancuso) 09:00 – 10:00</i> - <i>Learning by doing in heritage studies – bringing ‘dual-learning’ into new arenas of practice (Bosse Lagerqvist) 10:00 – 11:00</i>
11.00 – 11.30	COFFEE BREAK
11.30 – 12.30	STAFF TRAINING SESSION <ul style="list-style-type: none"> - <i>E-learning platforms and IT facilities for SUMCULA: technical aspects and policy (Carmelo Belfiore) 11:30 – 12:00</i> - <i>Use of Escape Rooms and Mobile Applications in formal and informal education in heritage studies and ecomuseums (Márk Szalontay - István Szalontay) 12:00 – 12:30</i>
12.30 – 14.00	LUNCH
14.00 – 17.00	STAFF TRAINING SESSION <ul style="list-style-type: none"> - <i>Examples of e-learning resource development (Paola Pepe) (14:00 – 14:30)</i> - <i>Possible Landscape Observatory in the Ormánság – Rába region, Southern Hungary – ecological, economic and social implications (László Szemethy – Marietta Pohl) (14:30 – 15:00)</i> - <i>Wildlife conservation, forestry and sustainable tourism – conflicts and solutions (László Szemethy – 15:00 – 15:30)</i> - <i>Break (15:30 – 16:00)</i> - <i>Environmental Attitudes of Hungarian Pupils and the Prospects for Environmental Education (Zoltán Alföldi – Péter Alföldi – 16:00 – 16:30)</i> - <i>Legislation on the protection of agricultural land in the context of the implementation of the thematic strategy for soil protection in Slovak conditions (Lucia Palšova – 16:30 – 17:00)</i>
20.30	SOCIAL DINNER

Friday 26 th October 2018	
07.30 – 20.30	TECHNICAL EXCURSION (Western Sicily) <ul style="list-style-type: none"> - Oriented Natural Reserve “<i>Saline di Trapani e Paceco</i>” - The <i>Marsala</i> wine area - Archaeological park of <i>Selinunte</i>
20.30	<i>Dinner</i>

Saturday 27 th October 2018	
07.30 – 20.30	TECHNICAL EXCURSION (Northern Sicily) Nebrodi Mountains (REGIONAL NATURAL PARK): <ul style="list-style-type: none"> - Mountainous landscapes, culture, geosites
20.30	<i>Dinner</i>

WHAT IS TO BE DONE?

The main objective of the workshop has been achieved in terms of identification of the tasks and key areas of responsibilities for each participant organisation in accordance with the schedule outlined in the project application. We have identified much more specifically the activities of the consortium and the responsibilities of participant organisations including the modified timeline and the tasks.

I. An updated, more holistic definition of the concept Cultural Landscape, which truly mirrors the scope of the SUMCULA project:

A cultural landscape is a geographic area, with all its cultural and natural resources, the wildlife and domestic animals, natural and artificial ecosystems, the built and intangible heritage therein, continuously shaped by historic and present-day evolutionary processes including the adverse or beneficial impacts of human activities, social relations and evolving cultures, which mirror the evolutionary trends of human society.

II. Organising the SUMCULA network with own website and a „competence bank” for an effective and efficient educational and research cooperation, substantially increased teaching staff and student mobility in the interdisciplinary field of regional development based on the management of cultural landscapes and associated disciplines; - the participants agreed, that they will complete the organization of their SUMCULA project groups by the end of January 2019 as it has been specified in previous communications from the coordinator.

III. Developing participatory approaches to advancing the sustainable development goals – May East presented a very comprehensive and useful method of increasing awareness regarding the approaches to sustainability and the holistic coordination of different views concerning the importance of Sustainability Development Goals.

IV. SUMCULA MSc - International master in regional development based on a complex landscape management and conservation concept and supported by a large number of case studies, some of them have already been identified or outlined in the application and many case studies have already been published as articles in ECOCYCLES (the free access online journal of European Ecocycles Society) - but much more will be developed, as it has been presented at the meeting (the number of case studies is expected to increase by the end of the project):

1. The archipelago and the coastal landscapes of Västra Götaland: the changing cultural landscape of ship building industry, fishery and marine transport. The floating cultural heritage of West Sweden from an international perspective (UGOT)
2. Creation of Västra Götaland Landscape Observatory (VG-Region & UGOT)
3. The industrial heritage of the arctic regions: the Swedish mining industry and the changing cultural landscapes around Kiruna and MalMBERGET linked to energy production by hydro-power. Industrial production, landscape conservation and tourism (UGOT)
4. Organotin and heavy metal pollution of marine environments (UGOT & ECyS)
5. The environmental impact and possible remediation of persistent organic pollutants (POPs - ECyS)
6. The cultural heritage of Pécs - urban and suburban cultural landscapes, reconstruction and development (UP)
7. The Acienda Agricola Model - fully developed product structure for agricultural enterprises as a prerequisite for environmental, social and economical sustainability (UP, UPA & ECyS)
8. The cultural landscapes of Ormánság, South-Western Hungary - possible conservation and regional development strategies (UP & UGOT)
9. Pan-European survey of environmental decision making processes 2007-2011 a case study (UP)
10. Comparison of the historic viticultural landscapes of Villány, Szekszárd, Zala, Sopron, Lake Balaton, Somló, Mátra, Eger and Tokaj in Hungary. Geology, climate, regional development, built and intangible cultural heritage and wine tourism (UP, ECyS & UPA)
11. The Tisza Lake - a partly artificial shallow lake, bird sanctuary, centre for eco-tourism and flood protection system (ECyS & Eszterházy Károly University)
12. Socio-economic development models for economically and socially disadvantaged areas in Europe (ECyS) - several case studies
13. Aquaponics - complex, ecological food production systems (ECyS)
14. Construction of an ecomuseum in the Balaton region based on the geodiversity, biodiversity, ecosystem services, built heritage, intangible heritage, social and economical conditions of the area applying a participatory approach of the stakeholders (UPA & LBDCA)
15. The Eulakes project and the transnational strategy for the protection of shallow lakes by mitigating the adverse effects of climate change (LBDCA).
16. Ecosystem services of urban rivers (MENDELU)
17. Impact of human activities on karst areas (MENDELU)
18. Assessing and Monitoring the Impacts of Genetically modified plants on Agro-ecosystems (SPU)

19. Green Infrastructure approach: linking environmental and social aspects in studying and managing urban forests (SPU)
20. Remediation of abandoned mining sites - environmental, economical and social implications (SPU & ECyS)
21. Innovative Sustainable Management and Cultural Procedures with Local and Regional Stakeholders to promote Rennes and the Brittany area (EME)
22. The agricultural landscapes of Sicily: environmental conditions, built heritage and tourism (UNIPA)
23. The volcanic Etnascape (UNIPA)
24. The evaporitic cultural landscape of Sicily (UNIPA)
25. The ‘Conca d’oro’ cultural landscape (UNIPA)
26. Landscapes of Western coast of Sicily (Marsala’s cultural routes - UNIPA)
27. The Landscape Observatory of Catalonia – structure, function and activities. The advisory role of landscape observatories (URV)
28. Findhorn Ecovillage and Gaia Education - ecological living as a system of landscape forming factors. The cultural landscapes of eco-villages. The principles of the Gaia-concept (GAIA)
29. Capacity building in developing countries (GAIA) - several case studies
30. Monitoring methodology of tourism in Babia Góra National Park and Podbabiogórskie communes (WSTiE)
31. Sustainable tourism in ecologically sensitive areas and territories of scarce natural resources (UNIPA & WSTiE)
32. Applications of urban agriculture: vertical phytotron systems - research for the future green towns in Dresden, Germany (FTW Dresden)

The subject structure and complete accreditation material of the SUMCULA MSc programme is being developed and expected to be ready by the end of September 2019. The preliminarily agreed concept of the MSc programme structure (including results from follow-up discussions):

Semester 1	Semester 2	Semester 3	Semester 4
1. Introduction to Cultural Landscapes: definitions, classification, concepts of conservation (4 <i>hec</i>) 2. Earth System Science (5 <i>hec</i>) 3. Ecosystems and ecosystem services (4 <i>hec</i>) 4. GIS and Remote sensing in landscape management (8 <i>hec</i>) 5. International Environmental Law (5 <i>hec</i>) 6. Critical perspectives on Cultural Landscapes (4 <i>hec</i>)	1. Development impacts on Cultural Landscapes (5 <i>hec</i>) 2. Renewable resources and circular economy (3 <i>hec</i>) 3. Sustainable waste management (4 <i>hec</i>) 4. Urban and regional planning and land use from a heritage perspective (8 <i>hec</i>) 5. Environmental Sociology (4 <i>hec</i>) 6. Landscape observatories and ecomuseums (6 <i>hec</i>)	Electable courses for future specialisation (24 <i>hec</i>) Case studies 1. (3 <i>hec</i>) Case studies 2. (3 <i>hec</i>)	Diploma work (30 <i>hec</i>)

Courses shall be developed according to the requirement system regarding the learning outcomes of each semester and the need of possible specializations more closely specified in Semester 3.

Examples for specializations (i.e. *“What Will Become of Me?”*– employment possibilities for the new graduates):

- Regional development coordinator and strategic planner
- Policy maker and strategic planner on government level
- Policy maker and planning officer for rural development
- Policy maker and planning officer for urban development
- Sustainable tourism strategist
- Manager of natural resources
- Cultural Heritage Conservation Officer
- Conservation expert for development companies
- Research scientist at universities and research institutions – further PhD studies
- Ecomuseum and Landscape Observatory managers
- National park managers/directors

V. More precise definition and outline of the content and the subject areas of the planned online reference book/course book SUMCULA (updateable annually with latest research, aimed as textbook for the international master programme SUMCULA in regional development) partly based on the aforementioned case studies of the project and scientific education material within the following subject areas:

- The concept and classification of cultural landscapes
- Applied Earth System Science – theory and real-life applications of the Bretherton diagram
- Biogeochemical cycles, natural and anthropogenic ecocycles
- Bio- and geodiversity, definition and classification of ecosystems
- Climatology, modelling climate change
- Ecosystem services and their sustainable use
- Environmental protection and remediation
- Management of national parks and nature reserves
- Tourism destination planning and carrying capacity of destinations
- Cultural heritage
 - New definition of Cultural Heritage and Conservation
 - The Cultural Landscape Perspective
 - Built Heritage
 - Intangible Cultural Heritage
 - Sustainable conservation policies
- Rural economy models
- Landscape observatories and management of cultural landscapes
- Ecomuseums and the Ecomuseum-Landscape Observatory Complex – Decision Support Systems

VI. Landscape management software for local and regional development and planning

Jointly responsible for development (probably only a suitable modification of already existing software - UPA, UNIPA, UP, ECyS, MENDELU)

VII. Publications in the ECyS Journal ECOCYCLES www.ecocycles.eu

The participating organizations agreed, that all case studies will be published (continuously) as articles in Ecocycles, the on-line Journal of European Ecocycles Society (ECyS) as it has already been specified in the project application. These case studies will then constitute the backbone of the last volume of the online course book SUMCULA - completed with theory and explanatory notes.

VII. Development of courses for the SUMCULA MSc programme (with particular emphasis on electable courses for the 3rd semester), for the course catalogue using the following joint course description form (the complete material such as presentations, manuals, filed work guides, etc. shall be uploaded to a joint course library):

Course title:	ECTS Credit points:
Course code:	Level (BSc/MSc/PhD):
Course type, number of lessons:	
Method of assessment:	
Course in the curriculum (which semester is the course taught in):	
Entry requirements (if any):	
Course description: Information outlining the course requirements in a concise yet descriptive manner.	
Aim:	
Competences/expected learning outcomes:	
<i>Knowledge and understanding:</i>	
<i>Skills and abilities:</i>	
<i>Judgement and approach:</i>	
Literature	
Compulsory readings:	
Recommended readings:	
Course leader:	
Other contributors:	
Contact:	

It is important to emphasize the value of some already developed teaching materials, which can be used and tailored to the special requirements of the SUMCULA programme. At the University of Gothenburg, we have developed a new 15 higher education credit (hec, ECTS credits) “introduction course” for MSc students with the same title “SUMCULA” – which contains in a very concise form the most important elements of the larger SUMCULA MSc programme. The course description and schedule presented here can be regarded as guidance for course development:

KUA500 Sustainable Management of Cultural Landscapes, 15hec

Preliminary Schedule for the spring semester 2018

Month and day	Time	Subject
February		
Monday 4 th	10:00 – 12:00	Introduction. European Landscape Convention (ELC) and landscape observatories - <i>Bosse Lagerqvist (BL)</i>
Wednesday 6 th	13:00 – 15:00	The field work. <i>BL</i>
Tuesday 12 th	13:00 – 16:00	Landscape analysis, assessment of properties and qualities.
Tuesday 19 th	13:00 – 16:00	Heritage, processes for interpretation and designation
Tuesday 26 th	13:00 – 16:00	Ecosystem services, carrying capacities
March		
<i>Hours for lectures and training in GIS will be added</i>		
Tuesday 5 th – Wednesday 6 th		Excursion (together with bachelor’s students in Built Environment program - Skaraborg, Forsvik)
Tuesday 12 th	13:00 – 16:00	Landscape planning, place branding and the issue of sustainability
Tuesday 19 th	13:00 – 16:00	Stewardship vs. management – Stakeholder management
Intensive period 25th – 29th of March 2018 – Sándor Némethy (SN)		
Monday 25 th	09:00 – 17:00	Earth System Science – landscape dynamics
Tuesday 26 th	09:00 – 17:00	Ecosystem services, regional development, tourism
Wednesday 27 th	09:00 – 13:00	The Azienda Agricola Model and circular economy
	14:30 – 17:30	Wine tasting with crafted food – free of charge
Thursday 28 th	09:00 – 16:00	Urban agriculture: ecocycle-based solutions
Friday 29 th	09:00 – 16:00	The landscape observatory – ecomuseum complex
April		
Tuesday 2 nd	13:00 – 16:00	Heritage and development – the living landscape and the landscape to live in
Thursday 25 th	09:00 – 12:00	Examination seminar: Literature seminar
Friday 26 th	09:00 – 12:00	Examination seminar: Field work seminar
May		
Tuesday 7 th	10:00 – 12:00	Initial paper seminar
Sunday 12 th – Saturday 18 th		Excursion to the Balaton Ecomuseum, Hungary (cultural landscape, built heritage, wine and gastronomy, intangible heritage and traditional crafts – the World’s largest (8 500 km ²) “multi-layered” ecomuseum).
June		
Wednesday 5 th	09:00 – 15:00	Final seminar

COURSE DESCRIPTION

Course title: Sustainable Management of Cultural Landscapes Course code: KUA500	ECTS Credit points: 15 Level (BSc/MSc/PhD): MSc
Course type, number of lessons: advanced course, totally 90 contact hours and two field trips	
Method of assessment: Examination 1: Individual seminar paper on course literature, 4 credits Examination 2: Seminar, field work result (in group) 5 credits Examination 3: Individual paper, 6 credits	
Course in the curriculum (which semester is the course taught in): 2 nd semester on MSc level	
Entry requirements (if any): -	
Course description: Information outlining the course requirements in a concise yet descriptive manner.	
<p>Aim: The aim of the course is to introduce students into a holistic and interdisciplinary approach to landscape management based on Earth System Science, ecology and evaluation of ecosystem services, conservation of tangible and intangible cultural heritage, stakeholder management and the socio-cultural and economic conditions of successful conservation and management of heritage resources on landscape level. One of the most important goals is to establish system-thinking in connection with landscape evolution and human interactions with these evolutionary processes and the connection between natural (ecological), social, economic and cultural factors, which determine landscape development.</p> <p>Competences/expected learning outcomes:</p> <p>Knowledge and understanding:</p> <ul style="list-style-type: none"> • understanding earth system processes and interactions between systems, biogeochemical cycles, climate change and forcing mechanisms, classification of ecosystems and ecosystem services and the concept of carrying capacity, landscape dynamics and evolution and the role of anthropogenic factors; • describe the natural, social and cultural processes that lead to something being defined as a specific cultural landscape, and how different interpretations of landscape properties affect decisions on continued management; • discuss how the understanding of cultural landscapes from different practices/professional fields and stakeholder groups generates problems and opportunities for regional development. • understand the principles of strategic planning in the context of landscape conservation <p>Skills and abilities:</p> <ul style="list-style-type: none"> • independently analyse the landscape contents and identify the possible needs for different conservation and remediation activities; • implement the notion of ecosystem services as planning outcomes within cultural landscapes management; • carry out stakeholder analyses for strategic planning of landscape conservation; <p>Judgement and approach:</p> <ul style="list-style-type: none"> • explain and motivate the need for conservation, remediation and development activities for a specific landscape; • assess the cultural and natural resources for local and regional development with regards to stakeholder interests, preservation motives and development needs; 	
Literature (<i>selection, complete list attached</i>)	
<p>Compulsory readings/key texts: Lohmann, G., Grosfeld, K., Wolf-Gladrow, D., Unnithan, V., Notholt, J., Wegner, A. (Eds. 2013): Earth System Science: Bridging the Gaps between Disciplines. ISBN 978-3-642-32235-8; <i>Springer, 2013</i> Sala, P., Puigbert, L., Gemma Bretcha, G. (2014): Landscape Planning at a Local Level in Europe. The cases of</p>	

Germany, France, the Netherlands, the United Kingdom, Switzerland and the Walloon Region in Belgium. ISBN 978-84-617-3805-2; <i>Observatori del Paisatge de Catalunya</i> Convery, I. , Corsane, G., Davies, P. (2014): Making Sense of Place. Multidisciplinary Perspectives. <i>Heritage Matters</i> . UK: Boydell & Brewer 2014 Zeunert, J. (ed. 2018): Routledge Handbook of Landscape and Food. <i>Tim Waterman</i> . London: Routledge 2018 Green, B. (2003): Threatened Landscapes. Conserving Cultural Environments. <i>Willem Vos</i> . London: Tylor & Francis Fairclough, G. , Herlin, I. S., Swanwick, C. (2018): Routledge Handbook of Landscape Character Assessment. Current Approaches to Characterisation and Assessment, 1st Edition 2018. London: Routledge Stalschmidt, P. , Swaffield, S., Primdahl, J., Nellman, V. (2017): Landscape Analysis. Investigating the Potentials of Space and Place. London: Routledge Everard, M. (2017) Ecosystem services. Key issues. Key issues in environment and sustainability. London: Routledge Jorgensen, K. , Clemetsen, M., Halvorsen Thoren, A-K., Richardson, T. (eds. 2015): Mainstreaming Landscape through the European Landscape Convention. London: Routledge
Recommended readings: see separate list (enclosed)
Course leader: Bosse Lagerqvist
Other contributors: Sándor Némethy
Contact: bosse.lagerqvist@conservation.gu.se and sandor@conseravtion.gu.se

Preliminary Reading List

Earth System Science

Key text

Jacobson, M., Charlson, R., Rodhe, H., Orians, G. (2000): Earth System Science, Volume 72. 1st Edition - From Biogeochemical Cycles to Global Changes. eBook ISBN: 9780080530642
 Paperback ISBN: 9780123793706 – Elsevier

Lohmann, G., Grosfeld, K., Wolf-Gladrow, D., Unnithan, V., Notholt, J., Wegner, A. (Eds. 2013): Earth System Science: Bridging the Gaps between Disciplines. ISBN 978-3-642-32235-8; Springer, 2013

Further reading:

Kumar, P., Rani, M., Chandra Pandey, P., Sajjad, H., Chaudhary, B.S. (Eds. 2019): Applications and Challenges of Geospatial Technology - Potential and Future Trends. ISBN 978-3-319-99882-4; Springer

Generally on landscape

Key text

Howard, P., Thompson, I., Waterton, E. (2013) The Routledge companion to landscape studies. Routledge companions. London: Routledge

Thompson, Ian H. (2008) Rethinkin landscape. A critical reader. London: Routledge

Further reading

Berque, Aufustine (2014) Thinking Through Landscape. London: Routledge

Curré, C (2015) Framing the view. A look at the living landscape. Eindhoven

Envisioning Landscapes, Making Worlds. Geography and the Humanities. Edited by Stephen Daniels, Dydia DeLyser, J. Nicholas Entrikin, Doug Richardson. London: Routledge 2011

Landscape planning

Key text

Landscape Planning at a Local Level in Europe. The cases of Germany, France, the Netherlands, the United Kingdom, Switzerland and the Walloon Region in Belgium. Edited by Pere Sala, Laura Puigbert, Gemma Bretcha. Observatori del Paisatge de Catalunya

Selam, Paul (2012) Sustainable Landscape Planning. The Reconnection Agenda. London: Routledge

Further reading

Gretter, A., Ciolli, M., Scolozzi, R (2018) “Governing mountain landscapes collectively: local responses to emerging challenges within a systems thinking perspective”. In: *Landscape Research*, Volume 43, 2018, issue 8

Revising Green Infrastructure. Concepts between nature and design. Edited by Daniel Czechowski, Thomas hauck, Georg Hausladen. London: Routledge 2017

Landscape – heritage qualities, valuation, interpretation

Key text

Making Sense of Place. Multidisciplinary Perspectives. Edited by Ian Convery, Gerard Corsane, Peter Davies. Heritage Matters. UK: Boydell & Brewer 2014

Managing Cultural Landscapes. Edited by Ken Taylor, Jane Lennoon. Key Issues in Cultural Heritage. London: Routledge 2012

Routledge Handbook of Landscape and Food. Edited by Joshua Zeunert, Tim Waterman. London: Routledge 2018

Threatened Landscapes. Conserving Cultural Environments. Edited by Bryn Green, Willem Vos. London: Tylor & Francis 2003

Further reading

Changing Perceptions of nature. Edited by Ian Convery. Peter Davies. Heritage Matters. UK: Boydell & Brewer

European Wood-pastures in Transition. A Social-ecological Approach. Edited by Tibor Hartel, Tobias Plieninger. London Routledge

Geographies of Rural Cultures and Societies. Edited by Lewis Holloway, Moya Kneafsey. London: Routledge 2017

Geoheritage and Geotourism. A European Perspective. Edited by Thomas A. Hose. Heritage Matters. UK: Boydell & Brewer

Koohafkan, Parviz, Miguel A. Altieri (2016) *Forgotten Agricultural Heritage. Reconnecting food systems and sustainable development*. London: Routledge

Landscape and rural heritage. Sixth meeting of the Workshops of the Council of Europe for the implementation of the European Landscape Convention, Sibiu, Romania, 20-21 September 2007. European spatial planning and landscape, No 88. Strasbourg: Council of Europe Publishing <https://rm.coe.int/CoERMPublicCommonSearchServices/DisplayDCTMContent?documentId=090000168048948e>

Sanglert, C. J. (2013) *Att skapa plats och göra rum -Landskapsperspektiv på det historiska värdets betydelse och funktion i svensk planering och miljövård*. Lund: Institutionen för Kulturgeografi och Ekonomisk Geografi. Avhandlingar IX

UNESCO (202) Florence Declaration on Landscape. Final declaration of the UNESCO International Meeting on „The International Protection of Landscapes” held in Florence on September 19-21 2012

Landscape – recording, assessment, analysis

Key text

Routledge Handbook of Landscape Character Assessment. Current Approaches to Characterisation and Assessment, 1st Edition 2018. Edited by Graham Fairclough, Ingrid Sarlöv Herlin, Carys Swanwick. London: Routledge

Stalschmidt, Per, Simon Swaffield, Jorgen Primdahl, Vibeke Nellman (2017) *Landscape Analysis. Investigating the Potentials of Space and Place*. London: Routledge

Pettit, C., Cartwright, W., Bishop, I., Lowell, K., Pullar, D., Duncan, D. (Eds. 2008): *Landscape Analysis and Visualisation. Spatial Models for Natural Resource Management and Planning*. ISBN 978-3-540-69168-6 Springer, 2018

Further reading

European Landscape Dynamics. CORINE Land Cover Data. Edited by Jan Feranec, Tomas Soukup, Gerard Hazeu, Gabriel Jaffrain. CRC Press 2016

Fiskvold, Marius, Anne Katrin Geelmuyden (2018) *Arcadia Updated. Raising landscape awareness through analytical narratives*. London: Routledge

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<https://rm.coe.int/CoERMPublicCommonSearchServices/DisplayDCTMContent?documentId=09000016804895e5>

Landscape development, stakeholder management

Key texts

Gieseke, Timothy M. (2018) *Shared Governance for Sustainable Working Landscapes*. London: Routledge

Kizos, T., et al. (2018) "Responding to Landscape Change: Stakeholder Participation and Social Capital in Five European Landscapes". In: *Land* 2018, 7, 14; doi:10.3390/land7010014

Porter, Nicole (2017) *Landscape and Branding. The promotion and production of place*. London: Routledge

Further reading

Hill, N. et al. (2007). *Branding the Landscape. A Guide*. Den Bosch: Provincie Noord-Brabant

Rotherham, Ian D (2017) *The Rise and Fall of Countryside management. A Historical Account*. London: Routledge

Ecosystem services

Key text

Everard, Mark (2017) *Ecosystem services. Key issues*. Key issues in environment and sustainability. London: Routledge

Further reading

Lorilla, R. S., et al. (2018) "Assessment of the Spatial Dynamics and Interactions among Multiple Ecosystem Services to Promote Effective Policy Making across Mediterranean Island Landscapes". In: *Sustainability* 2018, 10, 3285; doi:10.3390/su10093285

REFIT: Resituating Europe's First Towns. A case study in enhancing knowledge transfer and developing sustainable management of cultural landscape. <https://www.refitproject.com/refitproject>

ELC, landscape observatories

Key text

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Council of Europe (2018) Council of Europe Landscape Convention Contribution to human rights, democracy and sustainable development. Strasbourg: Council of Europe Publishing
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Further reading

Council of Europe (2013) Territories of the future : landscape identification and assessment, an exercise in democracy. 13th Council of Europe Meeting of the Workshops for the implementation of the European Landscape Convention, Cetinje, Montenegro, 2-3 October 2013. Strasbourg: Council of Europe Publishing. <https://rm.coe.int/16806f21d4>

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<http://www.uniscape.eu/wp-content/uploads/2017/07/UNISCAPE-EN-ROUTE-n.pdf>

Practices

France, Robert L (2011) Environmental Restoration and Design for Recreation and Ecotourism. CRC Press.

Routledge Handbook of Ecological and Environmental Restoration. Edited by Stuart K. Allison, Stephen D. Murphy. London: Routledge 2017

Some links

Council of Europe, Steering Committee for Culture, Heritage and Landscape
<https://www.coe.int/en/web/cdcpp-committee/home>

Council of Europe, Council of Europe Landscape Convention
<https://www.coe.int/en/web/landscape/home>

European Landscape Convention
<https://www.coe.int/en/web/conventions/full-list/-/conventions/rms/0900001680080621>

Protocol amending the European Landscape Convention, Strasbourg, 1.VIII.2016
<https://www.coe.int/en/web/conventions/full-list/-/conventions/rms/090000168072d121>

Recommendation CM/Rec(2017)7
of the Committee of Ministers to member States on the contribution of the European Landscape Convention to the exercise of human rights and democracy with a view to sustainable development

https://search.coe.int/cm/Pages/result_details.aspx?ObjectID=0900001680750d64

Recommendation CM/Rec(2015)8 of the Committee of Ministers to member States on the implementation of Article 9 of the European Landscape Convention on Transfrontier Landscapes
https://search.coe.int/cm/Pages/result_details.aspx?ObjectID=09000016805c2a58

Recommendation CM/Rec(2014)8 of the Committee of Ministers to member States on promoting landscape awareness through education
https://search.coe.int/cm/Pages/result_details.aspx?ObjectID=09000016805c5138

**Recommendation CM/Rec(2008)3
of the Committee of Ministers to member states on the guidelines for the implementation of
the European Landscape Convention**
https://search.coe.int/cm/Pages/result_details.aspx?ObjectID=09000016805d3e6c

Recommendation Rec(2003)1
of the Committee of Ministers to member states on the promotion of tourism to foster the cultural
heritage as a factor for sustainable development
https://search.coe.int/cm/Pages/result_details.aspx?ObjectID=09000016805e115f

Recommendation Rec(2002)1
of the Committee of Ministers to member states on the Guiding principles for sustainable spatial
development of the European Continent
https://search.coe.int/cm/Pages/result_details.aspx?ObjectID=09000016805e266c

VIII. Developing database on expert workforce for the SUMCULA International Knowledge Bank. All partner organization will have to complete their list of SUMCULA working group. Furthermore, their own international network of relevant contacts should be involved for future cooperation and project development.

IX. Preparing Erasmus+ bilateral agreements for teaching staff, administrative staff and student mobility. Each partner with each partner.

X. Preparing the Interim Report, deadline the 28th of February 2019. Each partner organization will have to present their results to date such as organization of SUMCULA expert groups, published/submitted case studies, developed subjects for the SUMCULA MSc, participation in joint meetings and international programmes or, if absent, presenting their contributions to the programme.

XI. Discussion concerning new applications for funding in order to increase the financial possibilities for the development and further operation of SUMCULA programme even after the end of the project. Important to involve new actors from Sicily such as Nebrodi National Park, Selinunte Archaeological Park, important wineries, etc. and all other relevant organizations from the partner countries.

X. Setting up the joint communication facilities: communication platform, own website, media contacts.

It is important that all partner organizations prepare a summary concerning their work completed to date and a realistic timeline for finishing the remaining tasks. Furthermore, each partner should present a possible “SUMCULA fund application strategy” i.e. application for further funding both the consortium as a whole organization and partner groups within the consortium – depending on

the size and scope of applications - for the continuation to further develop the elements of this strategic partnership and ensure the long-term establishment of the consortium and its activities in line with the goals of the SUMCULA-project concerning the continuation of the activities even after the end of the funding period.



SUMCULA – Sustainable Management of Cultural Landscapes – Erasmus+ Strategic Partnership

SUMCULA Multiplier Event Programme

AGREEMENT NUMBER – 2017-1-SE01-KA203-034570

Tarragona, Spain



UNIVERSITAT ROVIRA I VIRGILI

Wednesday 23th
SUMCULA Consortium Meeting
Place: University Rovira i Virgili. Campus Catalunya
Room XXX

Time	Programme
09:00 – 09:10	Welcome
09:10 – 09:20	Albert Mas: Presentation of University Rovira i Virgili (URV) and their SUMCULA project group, core competences
09:20 – 10.30	Program development / course development – Status at each partner
10.30 – 12.30 (Coffe breake around 11:30)	<p>Group work Sándor Némethy & Bosse Lagerqvist, starting up the activity. Division into three groups:</p> <p>A. Program learning outcomes – what are the long-term goals of the program (the need for defining the shared value base) Group result: <i>Program goals. Formulated learning outcomes (Knowledge and Understanding; Skills and abilities; Judgement and approach)</i></p> <p>B. Program components, principle structure Relation mandatory courses – electable courses; On-site learning – distance e-learning Group result: <i>Formulated program lay-out; Students' progression; Courses and principal course contents; Courses that could be delivered through e-learning</i></p> <p>C. Central concepts and development of didactic materials The potential role of case studies and cooperation with the professional field Group result: <i>Didactic strategies/opportunities in relation to going in-depth (courses) into Ecosystem services, EIA, SEA, holistically based assessment approaches</i></p>
12:30 – 13:30	Presentation of group results and discussion
13:30 – 14:30	Lunch
14.30 – 17.00	<p>Assessment of the SUMCULA – project. Strategy for 2019 – 2020. The state of planned intellectual outputs:</p> <ul style="list-style-type: none"> - Case studies - Landscape Management Software - Network Expert groups - Knowledge Bank - Website – Communication platforms <p>Operational plans, responsible persons/institutions</p>
17:00 – 17:20	Coffee break
17:20 – 18:30	Discussion and formulation of workplan February 2019-August 2020
18:30 – 19:00	Break
19:00 – 20:30	Visiting Tarragona Old Town
20:30 –	Social dinner in Tarragona Old Town

Thursday 24th
SUMCULA Consortium Meeting

Place: University Rovira i Virgili. Campus Catalunya.
Room XXX

09.00 – 11.15

- The project of Catalan law of agricultural land (Marc Costa. Fundació Mon Rural)
- The Priorat County: General Context (Jordi Blay)
- Multicriterium Priorat Landscape
- Multicriterium Delta de l'Ebre Landscape

11.15 – 11.45 Coffee break

11.45- 13.30

- Landscape in the Catalan regional planning (Sergi Saladié)
- The Catalan Observatory of Landscape (Laura Puigbert)

13.45 – 15:30 LUNCH

Place: University Rovira i Virgili. Faculty of Oenology.
Room: 202

15:45-17.45

- Sustainable Viticulture. VITEC
- The WILDWINE Project (Albert Mas)
- Viticulture and Winemaking in Priorat: Challenges and Opportunities. (Fernando Zamora)

18:00 – 1 9:30 Wine Tasting (Fernando Zamora/Joan Miquel Canals)

20.30 - SOCIAL DINNER IN TARRAGONA HARBOUR

Friday 25th
SUMCULA Consortium Meeting

Visit to Priorat

08:00 – Departure from Tarragona

09:00 – 10:30: The Natural Park Serra de Montsant. La Morera
Tourism in Priorat county
Tourism and protected natural areas

10.30 – 10.45 Coffee break

10:45 – 11:00 Departure to Scala Dei

11:00 – 12:30 Cartoixa de Scala Dei

Cartoixa Scala Dei

UNESCO World Heritage candidature

12:30 – 14:00 Visit to Winery “La Conreria d’Scala Dei” (http://vinslaconreria.com/LaConreria_en/)

14:00 – 17:00 Calçotada (<https://en.wikipedia.org/wiki/Calçot>) (lunch, 35€)

17.45 – Return to Tarragona

Recommended hotels:

SB Express: 15 minutes walking to meeting venue. 55-60€

https://www.hotelexpresstarragona.com/en/?gclid=CjwKCAiAlvnfBRA1EiwAVOEgfFgKWruVbD8qiQhG3KRJIH7KERgAxFKAbZJ09cY6gJ35onh25Mv3fhoCzbcQAvD_BwE

SB Ciutat de Tarragona: Next to bus station. City center. 7 minutes walking to meeting venue 75-80€

https://www.hotelciutatdetarragona.com/en/?gclid=CjwKCAiAlvnfBRA1EiwAVOEgfL_FKtnksqcrD8MsnfV2jteAMc3UZ84RTkBGUTf907t7re4wpa6BLhoCtpIQAvD_BwE

AC Hotel Tarragona: Very close to bus station. 9 minutes walking to meeting venue (84-90€)

<https://www.marriott.com/hotels/travel/reuta-ac-hotel-tarragona>

