

CAPACITY



Strengthening Governance Capacity for Smart Sustainable Cities



WORK PACKAGES

#	Title	Leader	Co-	Period	Start Date	End Date
WP1	Baseline Research and roadmapping	IMED	GUT	M1-M4	15-11-2018	14-03-2019
WP2	Development of Training Modules	DUK	UNS	M5-M18	15-03-2019	14-05-2020
WP3	Development of a platform for e-learning	TUDelft	PUCRS	M12-M36	15-11-2019	14-11-2021
WP4	Implementation of Training the trainers	GUT	UNLP	M12-M36	15-11-2019	14-11-2021
WP5	Implementation of academic curricula	UNS	UTFSM	M18-M36	15-04-2020	14-11-2021
WP6	Implementation of specialized courses	TUT	UCN	M18-M36	15-04-2020	14-11-2021
WP7	Quality Assurance and Sustainability	ECI	TUT	M1-M36	15-11-2018	14-11-2021
WP8	Dissemination Activities	UEC	TUDelft	M1-M36	15-11-2018	14-11-2021
WP9	Project Management	DUK	UNS/TUT	M1-M36	15-11-2018	14-11-2021



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WP2 Development of Training Modules - Description

This work package aims at creating a state of the art course curricula and modules.

The content of the modules related directly to Smart Sustainable Cities will be based on the results of WP1, enriched with modules from other disciplines, such as technology, business and economy, computer science and engineers, law and social science, to equip students with a profound knowledge to work as experts.

The modules designed for teaching Smart Sustainable Cities will be designed with experts and practitioners.

The module will address three person groups with different needs:

1. Young students (bachelor programmes)
2. Experienced students with special interest (master programmes)
3. Professionals that already work in the domain (continuous education)



WP2 Development of Training Modules - Tasks

- T2.1 Development of Smart Sustainable Cities roadmap (Lead by TUT)
Partners involved: All partners
Description: This task focuses on the development of a roadmap of SSC, identifying the gaps concerning missing knowledge and providing inputs for the development of the training modules (T2.3).
- T2.2 Workshops with stakeholders to design and validate the training modules (Lead by UNS)
Partners involved: DUK, UNLP, PUCRS, IMED, ECI, UEC, UCN, UTFSM
Description: This task includes two rounds of workshops with stakeholders and experts to design and validate the training modules. The workshops will be hosted in all involved partner countries.
- T2.3. Content definition and development (Lead by DUK)
Partners involved: All partners
Description: Based on the outcomes of WP1 and T2.1, the courses content will be defined in close collaboration with related stakeholders and experts.



WP5 Implementation of Academic Curricula

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WP5 Implementation of Academic Curricula - Description

The main objective of WP 5 is to deliver teaching and learning content on Smart Sustainable Cities (syllabus, scripts, learning material, cases) using the results produced by WP2, WP3 and WP4.

In particular:

- the content of the modules and the syllabus developed in WP2 will be adapted to match the requirements of the local academic institutions, and
- the learning tools developed in WP3 and the materials and tools for trainers provided by WP4 will be configured and used to deliver the training courses in the local institutions.

Detailed objectives of the WP5 include the following:

- To deliver an undergraduate course on SSC
- To deliver a postgraduate course on SSC
- To develop a complete executive master programme in SSC
- To implement curricula at the undergraduate and postgraduate level on SSC



WP5 Implementation of Academic Curricula - Tasks

1. T5.1 Delivery of elective course on SSC for undergraduate level, Task Leader: UNS
2. T5.2 Delivery of course on SSC for postgraduate level, Task Leader: UNS
3. T5.3 Development of an Executive Master on SSC, Task Leader: UNS
4. T5.4 Implementation of curricula on SSC, Task Leader: UNS and UTFSM
5. T5.5 Accreditation of elective course on SSC for undergraduate level, Task Leader: UTFSM
6. T5.6 Accreditation of postgraduate course on SSC, Task Leader: UTFSM
7. T5.7 Accreditation of new Executive Master Programme on SSC, Task Leader: UTFSM



WP5 Implementation of Academic Curricula – Task T5.1

T5.1 Delivery of elective course on SSC for undergraduate level, Task Leader: UNS

- UNS will implement an elective course on SSC for undergraduate students of the Licenciado degree in Computer Science, as well as for the students of Engineering in Information Systems and of Engineering in Computing.
- For accreditation, the course needs to be approved by the Board of the Department of Computer Science and Engineering, at UNS. The accreditation process is expected to be concluded in one month and should be submitted at the beginning of the semester in which it will be taught.
- The course will be taught in Spanish.



WP5 Implementation of Academic Curricula – Task T5.2

T5.2 Delivery of course on SSC for postgraduate level, Task Leader: UNS

- UNS will implement and deliver a postgraduate course on SSC as part of the curricula of the MSC and PhD Programmes in Computer Science.
- To fulfill the requirements of the UNS Postgraduate Department each course should have a minimum of 24 teaching hours under the face-to-face modality, with no more than 8 hours per day. The maximum number of hours that can be recognized for each postgraduate course is 128 hours.
- For accreditation, UNS must submit the proposal for the course to be approved by the Postgraduate Commission of the Department, and after its approval it must be submitted for approval to the Postgraduate Secretary of UNS. The whole process will take at most four months.



WP5 Implementation of Academic Curricula – Task T5.3

T5.3 Development of an Executive Master on SSC, Task Leader: UNS

- UNS and UNLP will implement an Executive Master Programme on SSC.
- The accreditation process involves different levels of approvals at UNS - involving the Department, the University and the Argentinean Ministry of Education. The whole process, from preparation of the Programme to its accreditation, is expected to be finished in 18 months.



WP5 Implementation of Academic Curricula – Task T5.3

T5.4 Implementation of curricula on SSC, Task Leader: UNS and UTFSM

- UNS and UTFSM will support the adoption of the developed courses and programmes in Partner Universities.
- The adoption includes:
 1. providing access to guidelines and teaching and learning materials developed under WP2, WP3 and WP4;
 2. teaching the courses in Latin America; and
 3. monitoring the outcomes and feedback of the courses.



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WP9 Project Management

Effective project management requires effective decision-making and established processes in order to:

1. ensure that the project is conducted in accordance with the European Commission rules,
 2. achievement of project results in a timely fashion,
 3. ensure the quality of the performed work and the deliverables,
 4. coordination at consortium level, ensuring effective communication between the partners,
 5. efficient decision-making, quality control and conflict resolution mechanisms to support project evolution,
 6. coordination at consortium level of knowledge management and other innovation-related activities, and
 7. effective preparation and implementation of the exploitation and dissemination plan, maximising the benefit the partners.
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WP9 Project Management

Project management will be organized in as follows:

- The General Assembly (GA) is the formal decision-making body that holds the highest level of authority in the project. It is chaired by the Project Coordinator and consists of one representative from each partner. The GA will meet at least twice a year. The main tasks of the GA will be:
 1. carrying out the top level Work Package management and coordination;
 2. strategic planning, monitoring and revisions to the plan;
 3. approving annual reports, deliverables and milestones;
 4. overseeing the sharing of knowledge among partners;
 5. overseeing legal, contractual, ethical, financial and administrative management;
 6. maintaining and updating the Consortium Agreement;
 7. reviewing and approving appropriate proposals.
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WP9 Project Management

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- Project Coordinator (PC) is responsible for the day-to-day execution of the project.

The PC will be responsible for:

1. timely delivery of project objectives and deliverables by continuously monitoring the project progress,
2. identifying and tracking issues,
3. proposing suitable corrective actions that might require a formal decision by the GA,
4. administrative management of the project which includes the provisioning of Periodic Reports and Statements management, and
5. official point of contact between the Commission and the Beneficiaries for normal purposes.

The PC will be provided by DUK and supported by UNS (Latina America Coordinator).



WP9 Project Management

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- The Work Package Leader (WPL) will be responsible for:
 1. technical coordination and supervision of their WP and WP tasks,
 2. planning and control of WP activities,
 3. inspection of WP deliverables prepared by Task Leaders (TL),
 4. closely monitoring progress of their WP in communication with TLs,
 5. planning and control of all tasks within the WP,
 6. preparation of deliverables and
 7. collection of the contributions from other partners participating in their WPs.

All Partners are WPL or Co-Leader (Deputy) of at least one WP.

- Task Leaders (TL) are responsible for the timely and high-quality completion of the tasks assigned to them.
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