

## Report on Self-Evaluation of the Progress of the RETHINK Project April 2015

### Background:

In the framework of the RETHINK project meeting in Kiev from March 9<sup>th</sup> to 12<sup>th</sup>, 2015 requested to prepare a further self-evaluation in order to support the preparation of the mid-term progress report on the project. Thus Dr. Kaufmann had asked the participants for the completion of a questionnaire on the project progress that had been achieved until April 2015. The questionnaires should have been sent to Dr. Kaufmann until April 12<sup>th</sup>, 2015. Until April 26<sup>th</sup>, 2015 Dr. Kaufmann has received 14 questionnaires out of 22 consortium members.

### Questionnaire:

The standardized questionnaire consists of a brief description of how to complete the questionnaire, a table to weight the work packages according to their importance for the project and for each work package a catalogue of criteria describing the achievement of outputs/outcomes of the project.

The completion of the questionnaire had to be done in three steps:

1. Weighting of the work packages according to their importance for the achievement of the project targets.
2. Weighting of each single criterion describing the progress of a work package,
3. Evaluation of the achievement of each single criterion by a score between 1 and 10 according to the following meaning of scores:
  - 1 means achievement of the criterion has not at all started,
  - 5 means achievement of the criterion is in progress,
  - 10 means criterion is fully achieved

### Sample Included into Self-Evaluation:

The questionnaires of the following consortium partners have been included into the analysis:

- P1: Lisbon Technical University, Faculty of Architecture (FAUTL)
- P2: Polytechnic Institute of Leiria (IPL)
- P4: Universidade da Coruna (UDC)
- P6: University of Paderborn (UPB)
- P7: Kaufmann Unternehmensberatung (KUB)
- P8: Gavar State University (GSU)
- P9: State Engineering University of Armenia (SEUA)
- P11: Baku State University (BSU)
- P13: Brest State Technical University (BrSTU)
- P16: Georgian Technical University (GTU)
- P17: Ivane Javakhishvili Tbilisi State University (TSU)
- P18: Alecu Russo Balti State University (USARB)
- P19: Technical University of Moldova (TUM)
- P20: Donbas National Academy of Civil Engineering and Architecture (DNACEA)
- P21: Donetsk National Technical University (DNTU)

This sample includes all university partners from Armenia, Georgia, Moldova and Ukraine, all university partners from Europe besides Delft, Baku State University from Azerbaijan, Brest State Technical University from Belarus and Kaufmann Unternehmensberatung from Germany. Although

it would be desirable having included the remaining universities from Azerbaijan (Azerbaijan University of Architecture and Construction) and Belarus (Polotsk State University) and especially the national ministries of education in the sample this sample allows a realistic valuation of the status of RETHINK at the end of March 2015.

**Results of Self-Evaluation:**

Block of Criteria	Evaluation Results		Weighting	Median
	consensus (or highest)	consensus (or lowest)		
1. Road Map	10,0	4,3	12,5%	10,0
2. Rethinking Curricula Architecture/Urbanism	6,9	2,9	11,8%	4,8
3. Rethinking Curricula Environmental Sciences/Climate Engineering	8,0	2,0	13,0%	4,5
4. Upgrade Cluster	7,6	1,5	13,0%	4,4
5. Quality Plan – Quality Statute	8,5	1,0	12,7%	1,7
6. (Dissemination) – Expand RETHINK	8,6	1,6	12,4%	4,5
7. Exploitation and Sustainability	9,4	1,0	12,2%	2,8
8. Administration & Management	9,7	4,6	12,5%	8,5
<b>Total</b>	<b>8,6</b>	<b>2,4</b>	<b>100,0%</b>	<b>5,1</b>

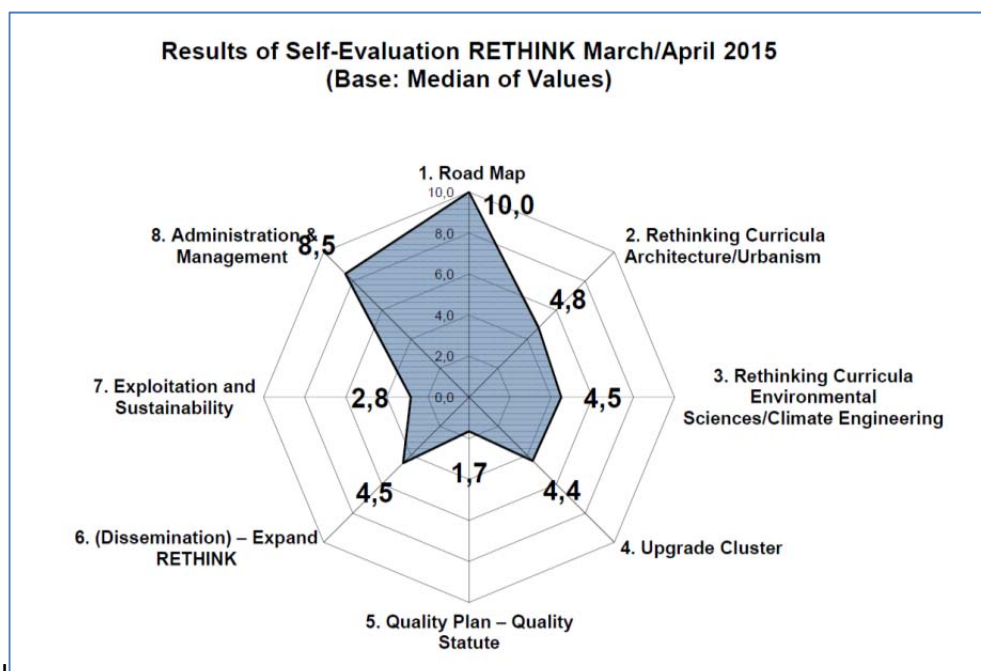
This table provides a first survey on the evaluation of the progress achieved according to each work package.

The weighting of the work packages equates almost an equal weight of each work package.

The weighted median values reflect a differentiated pattern. Whilst work package 5 “Quality Plan – Quality

Statute” and work package 7 “Exploitation and Sustainability” obviously just have started to achieve their results work package 1 “Road Map” has achieved its targets completely. All other work packages are in progress more or less, but still a lot of work has to be done.

The weighted maximum and minimum values indicate that the progress of the work packages is evaluated differently by the consortium members.



The informative value of the figures themselves is rather small but the pattern of the values provides an interesting impression of the project’s progress. The single axes of the figure are showing the extent to which a work package has been completed on a scale from 0 to 10

connection of the values that have been achieved according to each work package is representing the share of the

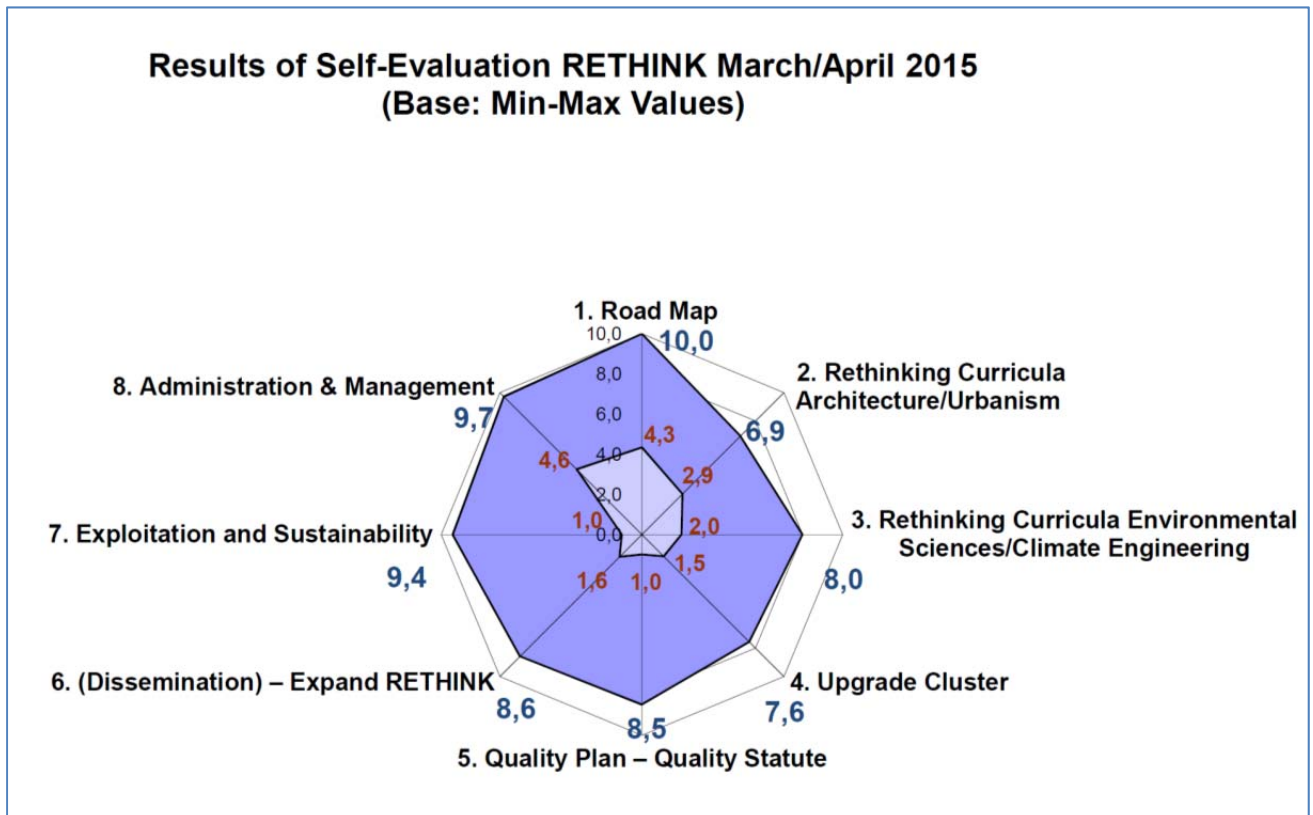
total project progress. When doing a final project evaluation at the end of the project this area should cover the entire figure.

The pattern leads to the same interpretation as the table above does:

- Work packages 1 Road Map has been completed,
- Work packages 2 Rethinking Curricula Architecture/Urban Planning, 3 Rethinking Curricula Environmental Sciences/Climate Engineering, 4 Upgrade Cluster, 6 Dissemination and 8 Administration & Management are in progress and have advanced in comparison to the latest self-evaluation and
- Work packages 5 Quality Plan – Quality statute and 7 Exploitation and Sustainability have advanced in comparison to the latest self-evaluation as well but they are still at an initial phase.

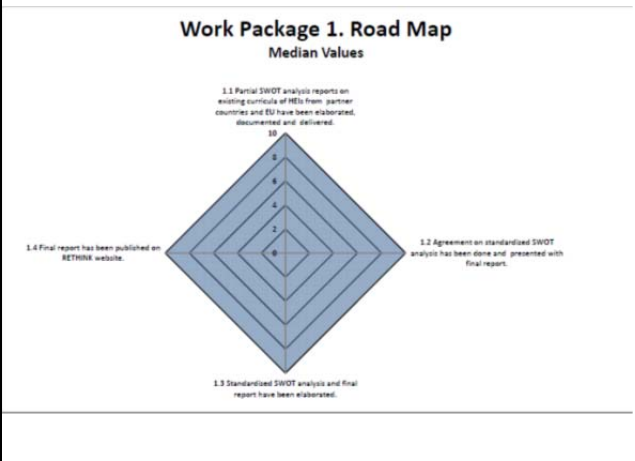
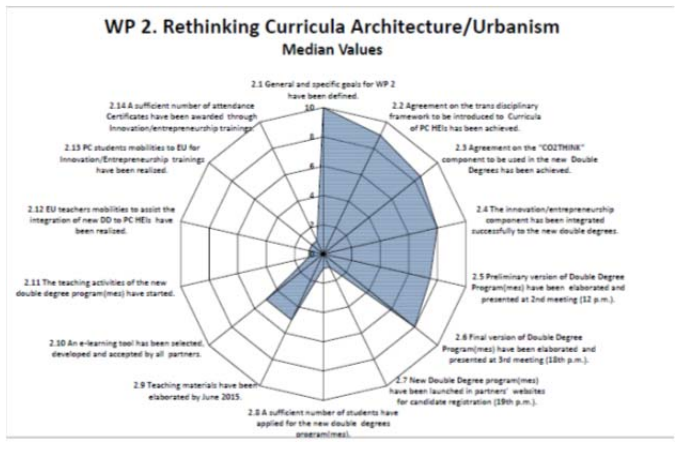
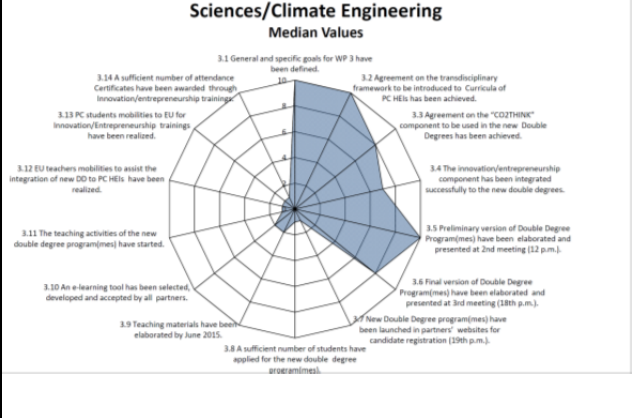
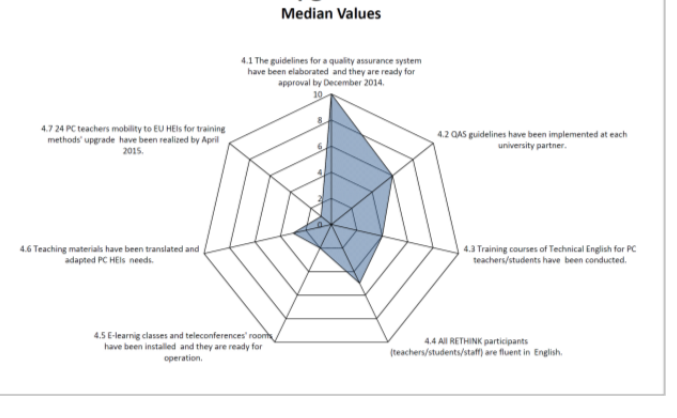
These results are corresponding to the work plan of the project. According to the outputs/outcomes of the project and the activities that are necessary for their achievement roughly one third has been completed.

When analyzing the evaluation results one should keep in mind that they are based on individual estimations of the project partners and that there is a different level of information at each single partner. That is why the single estimations differ as well. This becomes very clear by inspecting the minimum and maximum values:

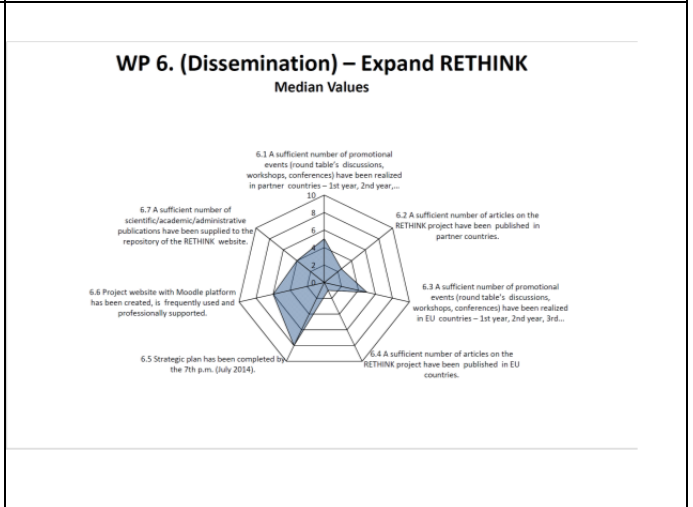
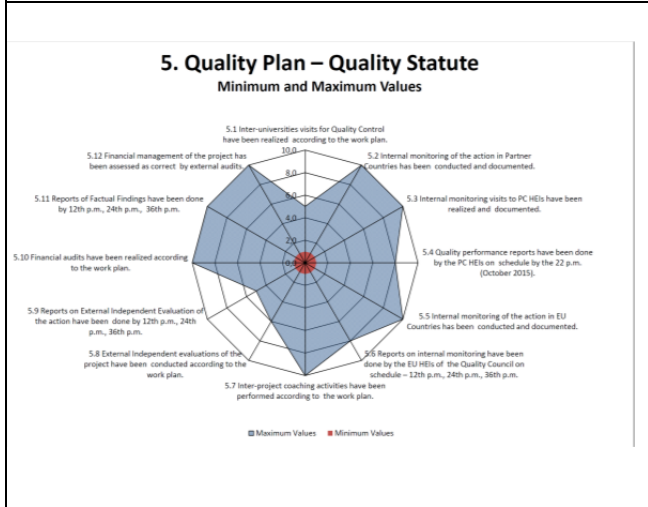


Obviously there is a broad variance regarding the estimations of the progress of the work packages.

Some further interesting information is provided by analyzing each single work package according to the achievement of the criteria of progress or better: which outputs/outcomes not yet have been achieved. The following charts are showing this in detail:

 <p><b>Work Package 1. Road Map Median Values</b></p> <p>1.1 Partial SWOT analysis reports on existing curricula of HEIs from partner countries and EU have been elaborated, documented and delivered.</p> <p>1.2 Agreement on standardized SWOT analysis has been done and presented with final report.</p> <p>1.3 Standardized SWOT analysis and final report have been elaborated.</p> <p>1.4 Final report has been published on RETHINK website.</p>	 <p><b>WP 2. Rethinking Curricula Architecture/Urbanism Median Values</b></p> <p>2.1 General and specific goals for WP 2 have been defined.</p> <p>2.2 Agreement on the trans disciplinary framework to be introduced to Curricula of PC HEIs has been achieved.</p> <p>2.3 Agreement on the "COZTHINK" component to be used in the new Double Degree has been achieved.</p> <p>2.4 The innovation/entrepreneurship component has been integrated successfully to the new double degrees.</p> <p>2.5 Preliminary version of Double Degree Program(ies) have been elaborated and presented at 2nd meeting (12 p.m.).</p> <p>2.6 Final version of Double Degree Program(ies) have been elaborated and presented at 3rd meeting (18th p.m.).</p> <p>2.7 New Double Degree program(ies) have been launched in partners' websites for candidate registration (19th p.m.).</p> <p>2.8 A sufficient number of students have applied for the new double degree program(ies).</p> <p>2.9 Teaching materials have been elaborated by June 2015.</p> <p>2.10 An e-learning tool has been selected, developed and accepted by all partners.</p> <p>2.11 The teaching activities of the new double degree program(ies) have started.</p> <p>2.12 EU teachers mobilities to assist the integration of new DD to PC HEIs have been realized.</p> <p>2.13 PC students mobilities to EU for Innovation/Entrepreneurship trainings have been realized.</p> <p>2.14 A sufficient number of attendance Certificates have been awarded through Innovation/Entrepreneurship trainings.</p>
<p><b>Work package 1:</b> All criteria have been achieved by 100 percent.</p>	<p><b>Work package 2:</b> Fundamentals have been elaborated or they are in good progress. Because their completion is a precondition for all further activities and outputs/outcomes of this work package it is self-evident that the achievement of criteria no. 2.7 to no. 2.14 not yet has started or just is in small progress.</p>
 <p><b>WP 3. Rethinking Curricula Environmental Sciences/Climate Engineering Median Values</b></p> <p>3.1 General and specific goals for WP 3 have been defined.</p> <p>3.2 Agreement on the transdisciplinary framework to be introduced to Curricula of PC HEIs has been achieved.</p> <p>3.3 Agreement on the "COZTHINK" component to be used in the new Double Degrees has been achieved.</p> <p>3.4 The innovation/entrepreneurship component has been integrated successfully to the new double degrees.</p> <p>3.5 Preliminary version of Double Degree Program(ies) have been elaborated and presented at 2nd meeting (12 p.m.).</p> <p>3.6 Final version of Double Degree Program(ies) have been elaborated and presented at 3rd meeting (18th p.m.).</p> <p>3.7 New Double Degree program(ies) have been launched in partners' websites for candidate registration (19th p.m.).</p> <p>3.8 A sufficient number of students have applied for the new double degree program(ies).</p> <p>3.9 Teaching materials have been elaborated by June 2015.</p> <p>3.10 An e-learning tool has been selected, developed and accepted by all partners.</p> <p>3.11 The teaching activities of the new double degree program(ies) have started.</p> <p>3.12 EU teachers mobilities to assist the integration of new DD to PC HEIs have been realized.</p> <p>3.13 PC students mobilities to EU for Innovation/Entrepreneurship trainings have been realized.</p> <p>3.14 A sufficient number of attendance Certificates have been awarded through Innovation/Entrepreneurship trainings.</p>	 <p><b>WP 4. Upgrade Cluster Median Values</b></p> <p>4.1 The guidelines for a quality assurance system have been elaborated and they are ready for approval by December 2014.</p> <p>4.2 GAS guidelines have been implemented at each university partner.</p> <p>4.3 Training courses of Technical English for PC teachers/students have been conducted.</p> <p>4.4 All RETHINK participants (teachers/students/staff) are fluent in English.</p> <p>4.5 E-learning classes and teleconferences' room have been installed and they are ready for operation.</p> <p>4.6 Teaching materials have been translated and adapted PC HEIs needs.</p> <p>4.7 24 PC teachers mobility to EU HEIs for training methods' upgrade have been realized by April 2015.</p>
<p><b>Work package 3:</b> Fundamentals have been elaborated or they are in good progress. Because their completion is a precondition for all further activities and outputs/outcomes of this work package it is self-evident that the achievement of criteria no. 3.7 to no. 3.14 not yet has started or just is in poor progress.</p>	<p><b>Work package 4:</b> By completion of the quality guidelines an important output of this work package has been achieved according to the work schedule of the project.  The progress/achievement of all further activities/outputs, outcomes is in general in line with the work plan. Nevertheless the conduction</p>

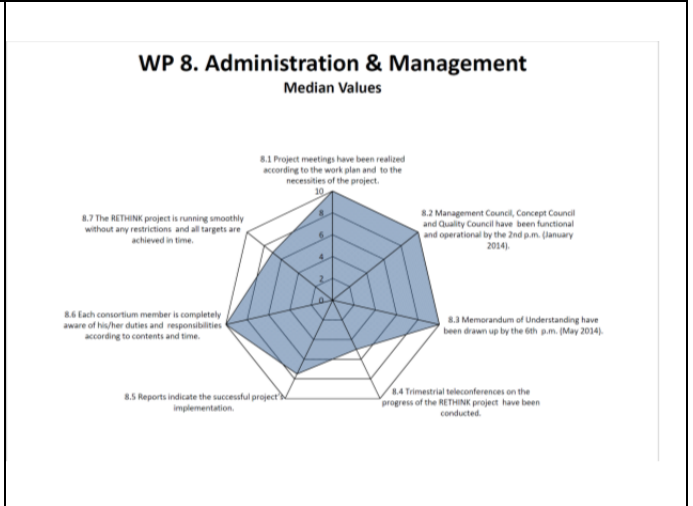
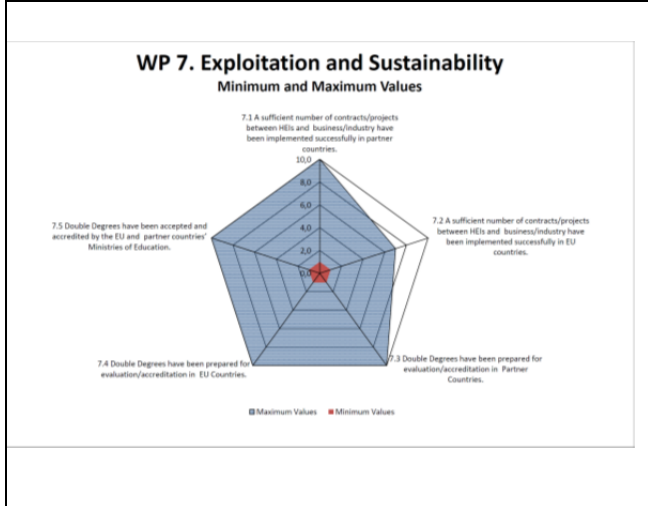
of training courses on technical English of PC teachers should be enforced in order to promote efficient project communication with all partners.



**Work package 5:**  
Although all criteria only have to be achieved in future according to the work plan some single activities already have been accomplished.

**Work package 6:**  
Dissemination is a permanent task of all project partners all over the entire project duration. But there are two central activities that are basic for dissemination work, the strategic plan for dissemination and the project website. Both activities are in line with the work plan: the strategic plan has been completed and the website is online and in good progress. Furthermore promotional events have been realized in Moldova and Georgia.

Several scientific articles including project results were already published in the proceedings of conferences as well as on the RETHINK website.





<p><b>Work package 7:</b> The achievement of results is a precondition for their exploitation and sustainability. Thus all criteria only have to be achieved in future according to the work plan. Nevertheless single activities already have been accomplished.</p>	<p><b>Work package 8:</b> The chart is indicating proper progress according to all criteria besides “trimestrial teleconferences on the progress of the RETHINK project”. The project management should promote this subject or it should take a decision how to deal with it.</p>
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**Résumé:**

The results of this second self-evaluation show significant progress in comparison to the first self-evaluation that had been conducted in the end of the first project year according to all work packages. Although progress is estimated different by different project partners the median values show a progress of the project that is in line with the work plan in general. At the same time the results provide hints on those subjects that should be taken special care about in the next months of the project implementation. They are listed in the following chapter.

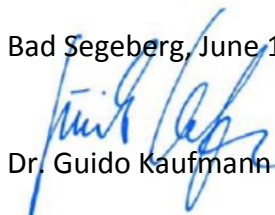
**Summary and Future Actions:**

Summarized the RETHINK project is in good progress although the completion of several actions/activities is in delay. Due to the complexity and the deriving necessity of bilateral and internal clarifications, decisions and preparations for the implementation of double degree programs several universities from PC are not able to implement newly developed double degrees into their regular curricula offers. They should concentrate their forces on proper preparation of the double degrees and implement them in 2016. In order to support a proper preparation at these universities and to support a proper implementation at those universities that will start their double degrees programs already 09/2015 the activities of “Work Package 4 Upgrade cluster” should be caught up as soon as possible.

Based on the above considerations the following actions should be implemented until the end of 2015:

- implementation of double degree programs at those universities that already have completed all preparations, intensification of efforts of all further university partners in order to complete preparations for the implementation of double degrees,
- installation of e-learning classes and teleconferences' rooms,
- participation in courses on Technical English for PC teachers/students,
- translation of teaching materials, adaptation at PC HEIs,
- PC teachers mobility to EU HEIs for training methods' upgrade,
- Internal monitoring visits to those PC HEIs that will introduce double degrees 09/2015,
- start activities seeking for projects/contracts for RETHINK partners in PC and EU Countries,
- start preparation of Double Degrees for evaluation/accreditation in PC and EU Countries,
- organization of a coordination meeting some months after the first Double Degree programs will have been implemented,
- Enhancement and intensification of dissemination activities

Bad Segeberg, June 18<sup>th</sup>, 2015



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