

## The Quality Assurance Matrix and Indicators (per WP)

A Quality Assurance Matrix was defined at the beginning of the project. This matrix is presented in deliverable **D5.1 Project Handbook**. Main indicators are detailed in a table of KPI. Every task and activity have indicators which are filled out by the task's leaders:

- **WP1: 28** indicators (7 for T1.1, 7 for T1.2, 4 for T1.3, 5 for T1.4, 5 for T1.5)
- **WP2: 32** indicators (8 for T2.1, 7 for T2.2, 7 for T2.3, 7 for T2.4, 3 for T2.5)
- **WP3: 23** indicators (7 for T3.1, 5 for T3.2, 8 for T3.3, 3 for T3.4)
- **WP4: 26** indicators (8 for T4.1, 7 for T4.2, 8 for T4.3, 3 for T4.4)
- **WP5: 11** indicators (4 for T5.1, 7 for T5.2)

The detailed results are described in the table of achieved results, they are summarized per WP and Task in the following table:

WP1/Task	Quality Assurance Indicator	Evaluation	Measurable Indicators
WP1 – T1.1	<p>The quality of the literature review referenced</p> <ul style="list-style-type: none"> <li>• High relevance between the subject of the literature and project topic.</li> <li>• The referenced articles are peer reviewed</li> <li>• The referenced articles have been selected from tier-1 and tier-2 conferences and journals.</li> <li>• The referenced articles are taken from well reputed research databases</li> </ul> <p>- The curricula analyzed in the literature review</p> <p>- The teaching methods analyzed for the four domains in EU and in Asia</p> <p>- The learning method analyzed for the four domains</p> <p>- A study of knowledge and skill requirements</p>	<p>- Internal</p> <p>- Internal</p> <p>- External</p>	<ul style="list-style-type: none"> <li>• Number of literatures referenced: <b>67</b></li> <li>• <b>92%</b> of the referenced articles have been published in recent years</li> <li>• Mean value of total citations of literature referenced: <b>78%</b></li> <li>• <b>26</b> curricula and programs studied</li> <li>• Number of teaching methods analyzed for the four domains in EU: <b>14</b></li> <li>• Number of teaching methods analyzed for the four domains in Asia: <b>19</b></li> <li>• Number of learning method analyzed for the four domains: <b>14</b></li> </ul>
WP1 – T1.2	<p>- A questionnaire is developed in collaboration with industry</p> <p>- The number of SMEs surveyed in partners countries</p> <p>- The sectors and size of the SME's</p>	<p>- External</p>	<ul style="list-style-type: none"> <li>• Number of SMEs surveyed in partners countries: <b>295</b></li> <li>• Number of small companies surveyed: <b>47</b></li> <li>• Number of medium and big size companies surveyed: <b>218</b></li> <li>• The global number of replies: <b>265</b></li> </ul>

	<ul style="list-style-type: none"> <li>- The number of replies returned</li> <li>- Number of workshops</li> <li>- Quality of the reports studied/investigated</li> <li>- Maturity model defined successfully in collaboration between the industry and academic partners</li> <li>- A quality analysis is completed successfully</li> <li>- Quality of the recommendations based on this analysis</li> </ul>	<ul style="list-style-type: none"> <li>- External</li> <li>- Internal</li> </ul>	<ul style="list-style-type: none"> <li>• Number of replies per partner country: <ul style="list-style-type: none"> <li>• China: <b>87</b></li> <li>• Malaysia: <b>86</b></li> <li>• Thailand: <b>92</b></li> </ul> </li> <li>• Number of relevant reports studied/investigated: <b>8</b></li> <li>• Number of workshops organized in PC country: <b>4</b></li> </ul>
WP1 – T1.3	<ul style="list-style-type: none"> <li>- A quality gap analysis is completed successfully</li> <li>- Quality of the recommendations based on this analysis</li> <li>- The curricula coverage according to the importance of the topics for companies</li> <li>- A high-quality skill model is developed.</li> <li>- The new skill model allows to quantify and qualify knowledge transference based on KPIs associated to the maturity in the 4 Shyfte domains.</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- External</li> <li>- Internal</li> <li>- Internal</li> <li>- Internal</li> </ul>	<ul style="list-style-type: none"> <li>• Number of topics offered by HEIs Asian curricula that correspond to Industry 4.0 required skills studied: <b>35</b> <ul style="list-style-type: none"> <li>• <b>6</b> are vital for companies</li> <li>• <b>9</b> are of very high importance for companies</li> <li>• <b>8</b> are of high importance for companies</li> <li>• <b>4</b> are not very important for companies</li> <li>• <b>7</b> are not important for companies</li> <li>• <b>1</b> has not yet been considered by companies</li> </ul> </li> <li>• Curricula coverage according to the importance of the topics for companies: <b>12</b> <ul style="list-style-type: none"> <li>• On 6 which are vital, <b>4</b> are covered</li> <li>• On 9 which are of very high importance, <b>3</b> are covered</li> <li>• On 8 which are of high importance, <b>3</b> are covered</li> <li>• On 4 which are not very important, <b>1</b> is covered</li> <li>• On the 8 last (not important, not yet been considered) <b>1</b> is covered</li> </ul> </li> <li>• Number of recommendations based on the gap analysis: <b>12</b></li> <li>• Number of publications: <b>7</b> publications in conferences for the WP1-T1 to T3</li> </ul>
WP1 – T1.4	<ul style="list-style-type: none"> <li>- The relationships between the skills and the Shyfte four domains are defined</li> <li>- The "required" skill set are identified</li> <li>- The "required" maturity levels of the trainees are identified</li> <li>- An efficient learning framework is defined</li> <li>- The modules' syllabus are defined</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- External</li> <li>- Internal</li> <li>- Internal</li> </ul>	<ul style="list-style-type: none"> <li>• Number of skills set per domain: <ul style="list-style-type: none"> <li>• Industrial Engineering Management: <b>7</b></li> <li>• Software Engineering and Big Data Analytics: <b>4</b></li> <li>• Wireless and Networks Analytics: <b>5</b></li> <li>• Artificial Intelligence: <b>3</b></li> </ul> </li> <li>• Number of modules defined per domain: <ul style="list-style-type: none"> <li>• Industrial Engineering Management: <b>29</b></li> <li>• Software Engineering and Big Data Analytics: <b>18</b></li> <li>• Wireless and Networks Analytics: <b>17</b></li> <li>• Artificial Intelligence: <b>15</b></li> </ul> </li> <li>• Numbers of generic/per sector modules</li> <li>• Number of modules' syllabus: <ul style="list-style-type: none"> <li>• <b>9</b> modules syllabus defined for IE domain</li> <li>• <b>7</b> modules syllabus defined for Business Mgt domain</li> <li>• <b>5</b> modules syllabus defined for SE&amp; Bigdata domain</li> <li>• <b>6</b> modules syllabus defined for Wireless domain</li> </ul> </li> </ul>

			<ul style="list-style-type: none"> <li>• <b>13</b> modules syllabus defined for AI domain</li> <li>• Number of publications: <b>2</b> publications in conferences for the WP1-T4</li> </ul>
WP1 – T1.5	<ul style="list-style-type: none"> <li>- A learning strategy per domain is defined</li> <li>- The sessions for training of the trainers are scheduled</li> <li>- The sessions for training of the students are scheduled</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- Internal</li> <li>- Internal</li> </ul>	<ul style="list-style-type: none"> <li>• Number of detailed syllabus defined per domain <ul style="list-style-type: none"> <li>• <b>16</b> detailed syllabus defined for domain 1</li> <li>• <b>5</b> detailed syllabus defined for domain 2</li> <li>• <b>6</b> detailed syllabus defined for domain 3</li> <li>• <b>13</b> detailed syllabus defined for domain 4</li> </ul> </li> <li>• Number of training sessions of the trainers scheduled <ul style="list-style-type: none"> <li>• <b>14</b> ToT sessions scheduled for domain 1</li> <li>• <b>4</b> ToT sessions scheduled for domain 2</li> <li>• <b>6</b> ToT sessions scheduled for domain 3</li> <li>• <b>6</b> ToT sessions scheduled for domain 4</li> </ul> </li> <li>• Number of training sessions for the students are scheduled <ul style="list-style-type: none"> <li>• <b>12</b> ToS sessions scheduled for domain 1</li> <li>• <b>4</b> ToS sessions scheduled for domain 2</li> <li>• <b>6</b> ToS sessions scheduled for domain 3</li> <li>• <b>10</b> ToS sessions scheduled for domain 4</li> </ul> </li> <li>• Number of potential trainers projected <ul style="list-style-type: none"> <li>• <b>12</b> trainers identified for domain 1</li> <li>• <b>5</b> trainers identified for domain 2</li> <li>• <b>6</b> trainers identified for domain 3</li> <li>• <b>10</b> trainers identified for domain 4</li> </ul> </li> <li>• Number of potential students projected: <b>&gt;300</b> <ul style="list-style-type: none"> <li>• <b>100 to 120</b> students trained from CMU &amp; KU (domain1)</li> <li>• <b>100 to 120</b> students trained from CDU&amp; CUIT (domain2)</li> <li>• <b>40 to 50</b> students trained from UPM&amp; UTM (domain3)</li> <li>• <b>40 to 50</b> students trained from UTM&amp; UPM (domain4)</li> </ul> </li> </ul>

WP2/Task	Quality Assurance Indicator	Evaluation	Measurable Indicators
WP2 – T2.1	<ul style="list-style-type: none"> <li>- The modules identified for the Industrial Engineering domain (based on the skills set and level of the trainees)</li> <li>- The modules identified for the Business Mgt domain (based on the skills set and level of the trainees)</li> <li>- The training session for the trainers occurred</li> <li>- The maturity level is defined for each category of students</li> <li>- The training session for the students occurred</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- External</li> <li>- Internal</li> </ul>	<ol style="list-style-type: none"> <li>1. Number of modules developed for IE domain: <b>6</b></li> <li>2. Number of modules developed for Business Management domain: <b>5</b></li> <li>3. Number of trainers trained from CMU &amp; KU: <b>111</b></li> <li>4. Number of staff per partner trained: <b>8</b></li> <li>5. Number of staff completing quality assessment: <b>75</b></li> <li>6. Number of students trained from CMU and from KU: <b>137</b></li> <li>7. Number of students completing quality assessment: <b>82</b></li> <li>8. Number of students satisfied: <b>93.45%</b> of the students are globally satisfied</li> </ol>

	<ul style="list-style-type: none"> <li>- Quality assessment of the training session</li> <li>- Analysis of the training quality questionnaire</li> <li>- One improvement plan per module is defined</li> <li>- All the modules are updated</li> </ul>	<ul style="list-style-type: none"> <li>- External</li> <li>- Internal</li> <li>- Internal</li> </ul>	
WP2 – T2.2	<ul style="list-style-type: none"> <li>- The modules identified for Software Engineering and bigdata analytics domain (based on the skills set and level of the trainees)</li> <li>- The training session for the trainers occurred</li> <li>- The maturity level is defined for each category of students</li> <li>- The training session for the students occurred</li> <li>- Quality assessment of the training session</li> <li>- Analysis of the training quality questionnaire</li> <li>- One improvement plan per module is defined</li> <li>- All the modules are updated</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- External</li> <li>- Internal</li> <li>- External</li> <li>- Internal</li> <li>- Internal</li> </ul>	<ul style="list-style-type: none"> <li>9. Number of modules developed for Software Engineering and bigdata analytics domain: <b>5</b></li> <li>10. Number of trainers trained from CDU &amp; CUIT: <b>31</b></li> <li>11. Number of staff per partner trained: <b>5</b></li> <li>12. Number of staff completing quality assessment: <b>28</b></li> <li>13. Number of students trained from CDU and from CUIT: <b>142</b></li> <li>14. Number of students completing quality assessment: <b>92%</b></li> <li>15. Number of students satisfied: <b>91%</b> of the students are globally satisfied</li> </ul>
WP2 – T2.3	<ul style="list-style-type: none"> <li>- The modules identified for wireless and network analytics domain (based on the skills set and level of the trainees)</li> <li>- The training session for the trainers occurred</li> <li>- The maturity level is defined for each category of students</li> <li>- The training session for the students occurred</li> <li>- Quality assessment of the training session</li> <li>- Analysis of the training quality questionnaire</li> <li>- One improvement plan per module is defined</li> <li>- All the modules are updated</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- External</li> <li>- Internal</li> <li>- External</li> <li>- Internal</li> <li>- Internal</li> </ul>	<ul style="list-style-type: none"> <li>16. Number of modules developed for wireless and network analytics domain: <b>7</b></li> <li>17. Number of trainers trained from UPM: <b>56</b></li> <li>18. Number of staff per partner trained: <b>3</b></li> <li>19. Number of staff completing quality assessment: <b>31</b></li> <li>20. Number of students trained from UPM: <b>69</b></li> <li>21. Number of students completing quality assessment: <b>72%</b></li> <li>22. Number of students satisfied: <b>92,5%</b></li> </ul>
WP2 – T2.4	<ul style="list-style-type: none"> <li>- The modules identified for Artificial Intelligence domain (based on the skills set and level of the trainees)</li> <li>- The training session for the trainers occurred</li> <li>- The maturity level is defined for each category of students</li> <li>- The training session for the students occurred</li> <li>- Quality assessment of the training session</li> <li>- Analysis of the training quality questionnaire</li> <li>- One improvement plan per module is defined</li> <li>- All the modules are updated</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- External</li> <li>- Internal</li> <li>- External</li> <li>- Internal</li> <li>- Internal</li> </ul>	<ul style="list-style-type: none"> <li>23. Number of modules identified for Artificial Intelligence domain: <b>12</b></li> <li>24. Number of trainers trained from UTM: <b>53</b></li> <li>25. Number of staff per partner trained: <b>13</b></li> <li>26. Number of staff completing quality assessment: <b>31</b></li> <li>27. Number of students trained from UTM: <b>50</b></li> <li>28. Number of students completing quality assessment: <b>73%</b></li> <li>29. Number of students satisfied: <b>95%</b> of the students are globally satisfied</li> </ul>

WP2 – T2.5	<ul style="list-style-type: none"> <li>- The architecture of the 4 learning centers is defined</li> <li>- the functionalities and main services are described (communication, identification, selection, registration, evaluation...).</li> <li>- The interactions between the global website and the local ones are identified</li> <li>- A dissemination strategy is proposed</li> <li>- A methodology for creation and testing is defined for the 4 Learning centers</li> <li>- A Business plan is defined for each Learning Center</li> <li>- A Knowledge-based framework is defined for each learning center</li> <li>- A methodology for technical and business evaluation is defined for the Learning centers</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- Internal</li> <li>- Internal</li> <li>- Internal</li> <li>- External</li> <li>- External</li> </ul>	<p>30. Number of Skills 4.0 learning center implemented: <b>4</b></p> <p>31. Number of guidelines for teachers are defined (one per domain): <b>1</b></p> <p>32. Number of guidelines for students are defined (one per domain): <b>1</b></p>
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WP3/Task	Quality Assurance Indicator	Evaluation	Measurable Indicators
WP3 – T3.1	<ul style="list-style-type: none"> <li>- Validation of the learning program by the companies (advisory board, experts...)</li> <li>- Define an evaluation quality questionnaire for the trainers (per domain)</li> <li>- Define an evaluation quality questionnaire for the students (per domain)</li> </ul>	<ul style="list-style-type: none"> <li>- External</li> <li>- Internal</li> <li>- Internal</li> </ul>	<ul style="list-style-type: none"> <li>• Number of professional experts per domain <ul style="list-style-type: none"> <li>• Domain 1: <b>6</b></li> <li>• Domain 2: <b>5</b></li> <li>• Domain 3: <b>7</b></li> <li>• Domain 4: <b>2</b></li> </ul> </li> <li>• Number of external academic experts per domain/HEIs: <ul style="list-style-type: none"> <li>• Domain 1: <b>4</b></li> <li>• Domain 2: <b>5</b></li> <li>• Domain 3: <b>5</b></li> <li>• Domain 4: <b>2</b></li> </ul> </li> <li>• Number of quality indicators defined: <b>14</b></li> <li>• Number of questions per questionnaire: <b>22</b></li> <li>• Number of trainers filling the evaluation questionnaire: <b>165</b></li> <li>• Number of students filling the evaluation questionnaire: <b>70%</b> (out of 400)</li> <li>• % of the students that are globally satisfied: <b>80%</b></li> </ul>
WP3 – T3.2	<ul style="list-style-type: none"> <li>- Define a Training Quality Plan</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- Internal</li> </ul>	<ul style="list-style-type: none"> <li>• Number of indicators defined in the TQP per domain (pilot): <ul style="list-style-type: none"> <li>• <b>22</b> questions to evaluate the training</li> <li>• <b>5</b> specific questions per domain (Pilot)</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Develop a Quality Management System (QMS) training session for trainers</li> <li>- Organize and Schedule quality audits to evaluate the skills 4.0 transfer and measuring the impact of these skills in SME's</li> </ul>	- External	<ul style="list-style-type: none"> <li>• 4 specific questions for the trainers</li> <li>• 14 indicators of Skills 4.0 transfer</li> <li>• Number of trainers trained on QMS: 12</li> <li>• Number of trainers satisfied by the QMS training: 88% globally satisfied</li> <li>• Number of potential quality managers per Learning Centers: 4 in domain 1; 2 in domain 2; 3 in domain 3 and 3 in domain 4</li> <li>• Number of training quality audits scheduled per Learning Centers: 132 trainers trained during the ToT filled the quality questionnaires.</li> </ul>
WP3 – T3.3	<ul style="list-style-type: none"> <li>- Implementation of the Learning Centers audits</li> <li>- Evaluation of the Impact indicators</li> <li>- Assessment of the QMS system and continuous Improvement</li> <li>- Audits of SMEs in the Partners Countries with impact indicators conducted.</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- External</li> <li>- External</li> <li>- External</li> </ul>	<ul style="list-style-type: none"> <li>• Number of trainings of the trainer's quality audits carried out: 37 Training sessions were audited</li> <li>• Number of indicators of Skills 4.0 transfer: 14</li> <li>• Number of Trainers certified: 214</li> <li>• Number of non-conformities: NA (the audits did not reveal any real non-conformity)</li> <li>• Number of improvement actions defined: 1 improvement plan per module</li> <li>• Number of improvement actions implemented: 1 improvement plan implemented per module</li> <li>• Numbers of SME's involved 13</li> <li>• Number of companies salaries audited: 7 trainees from companies filled the quality questionnaires</li> </ul>
WP3 – T3.4	<ul style="list-style-type: none"> <li>- A sustainability assurance plan is designed with the HEIs partners and SMEs.</li> <li>- A SME's survey is done to assess the Learning Centers indicators</li> <li>- The sustainability plan ensures that the activities of the Learning Centers will continue beyond the end of the project.</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- External</li> <li>- Internal</li> </ul>	<ul style="list-style-type: none"> <li>• Number of companies globally satisfied by the Learning materials (per domain, per country): 82%</li> <li>• Number of companies globally satisfied by the Learning Centers services (per domain, per country): 82%</li> <li>• Number of SMEs that would recommend learning centers (per domain, per countries): 84%</li> </ul>

WP4/Task	Quality Assurance Indicator	Evaluation	Measurable Indicators
WP4 – T4.1	<ul style="list-style-type: none"> <li>- Shyfte project dissemination to other universities</li> <li>- Shyfte project dissemination to companies</li> </ul>	<ul style="list-style-type: none"> <li>- External</li> <li>- External</li> </ul>	<ol style="list-style-type: none"> <li>1. Number of entities where the project was spread: <ul style="list-style-type: none"> <li>• Domain 1: 22 entities in Thailand</li> <li>• Domain 2: 12 entities in China</li> <li>• Domain 3: 11 entities in Malaysia</li> <li>• Domain 4: 8 entities in Malaysia</li> <li>•</li> </ul> </li> <li>2. Number of external universities identified to disseminate the project <ul style="list-style-type: none"> <li>• Domain 1: 18 universities in Thailand</li> <li>• Domain 2: 6 universities in China</li> </ul> </li> </ol>

			<ul style="list-style-type: none"> <li>• Domain 3: <b>7 universities in Malaysia</b></li> <li>• Domain 4: <b>6 universities in Malaysia</b></li> </ul> <p>3. Number of external industries identified to disseminate the project:</p> <ul style="list-style-type: none"> <li>• ToT sessions: <b>9</b></li> <li>• Seminars &amp; Workshops: <b>20</b></li> <li>• Visits: <b>4</b></li> </ul> <p>4. Number of Shyfte proposed activities in universities: <b>5</b> seminars &amp; exhibitions</p> <p>5. Number of Shyfte proposed activities in industry:</p> <ul style="list-style-type: none"> <li>• <b>10</b> industrial workshops</li> </ul> <p>6. Number of events where the project was spread:</p> <ul style="list-style-type: none"> <li>• <b>1</b> Keynote speaker in Int. conference</li> <li>• <b>1</b> Special session in Int. conference</li> <li>• <b>5</b> academic seminars</li> <li>• <b>10</b> industrial workshops</li> <li>• <b>7</b> papers in indexed int. journals</li> </ul> <p>7. Number of conferences, formal, informal meetings...:</p> <ul style="list-style-type: none"> <li>• <b>20</b> international conferences</li> <li>• <b>10</b> physical Plenary or PMB meetings</li> <li>• <b>44</b> virtual Plenary or PMB meetings</li> </ul> <p>8. Number events/activity per partner in the Map:</p> <ul style="list-style-type: none"> <li>• France: <b>5</b></li> <li>• Italy: <b>4</b></li> <li>• Portugal: <b>3</b></li> <li>• Thailand: <b>7</b></li> <li>• China: <b>7</b></li> <li>• Malaysia: <b>9</b></li> </ul>
WP4 – T4.2	<ul style="list-style-type: none"> <li>- Awareness dissemination and acceptance of emergent skills</li> <li>- Development of a COST (European Cooperation in Science and Technology) proposal aligned with the dissemination of the Centers of Excellence;</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- External</li> </ul>	<p>9. Number of awareness dissemination events: <b>47</b></p> <p>10. Number of partners involved: <b>37</b> other universities involved in the partners countries</p> <p>11. Number of external entities involved: <b>33</b></p> <p>12. Number of Shyfte seminars &amp; workshop: <b>20</b></p> <p>13. Number of partners: more than <b>60</b> external partners involved</p> <p>14. COST proposal acceptance: Collaboration with <b>3 EU projects</b>: (1) Erasmus+ Enhance, (2) Erasmus+ ETAT, and H2020 SME 4.0</p> <p>15. Number of initiatives argute to the COST: 3 seminars</p>
WP4 – T4.3	<ul style="list-style-type: none"> <li>- The Website is online</li> <li>- The Website is updated regularly</li> </ul>	<ul style="list-style-type: none"> <li>- External</li> <li>- Internal</li> </ul>	<p>16. Number of website visitors: <b>NA</b> (a technical problem did not allow us to measure the nb of visitors since the beginning of the project).</p>

	<ul style="list-style-type: none"> <li>- The events organized</li> <li>- Social Networks created and updated</li> <li>- Cluster of blogs indicators developed</li> <li>- Publication indicators</li> <li>- Conferences indicators</li> </ul>	<ul style="list-style-type: none"> <li>- External</li> <li>- External</li> <li>- Internal</li> </ul>	<p>17. Average time on page: <b>NA</b> (a technical problem did not allow us to measure the nb of visitors since the beginning of the project).</p> <p>18. Number of events organized: <b>30</b> seminars, workshops, visits, meetings...</p> <p>19. Number of events (conference, seminars, workshops...) in which Shyfte partners participate: more than <b>80</b> events (conferences, seminars...)</p> <p>20. Social networks number of follows: <b>106</b> followers on Facebook</p> <p>21. Social networks number of likes: <b>98</b> likes on Facebook</p> <p>22. Social networks number of shares</p> <p>Cluster of blogs indicators: <b>NA</b> (a technical problem did not allow us to measure the nb of visitors on the website since the beginning of the project).</p> <p>23. Number of visitors: idem</p> <p>24. Number of topics: around <b>18</b> topics covered</p> <p>25. Number of posts: <b>35</b> posts published</p> <p>26. Number of papers published</p> <p>Conferences indicators: <b>20</b> papers presented in int. conferences</p> <p>27. Number of people: more than <b>600</b> people (average of 30 people per session)</p> <p>28. Number of organizations: more than <b>300</b> organizations concerned</p> <p>29. Nb of Industrial companies: <b>NA</b> (difficult to measure the nb of companies involved in the int. conferences; especially online)</p>
WP4 – T4.4	<ul style="list-style-type: none"> <li>- Scientific and technical dissemination</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- Internal</li> <li>- Internal</li> </ul>	<p>30. Number of papers in scientific conferences (per domain):</p> <ul style="list-style-type: none"> <li>• Domain 1: <b>4</b> conferences</li> <li>• Domain 2: <b>5</b> conferences</li> <li>• Domain 3: <b>4</b> conferences</li> <li>• Domain 4: <b>4</b> conferences</li> </ul> <p>31. Number of publications in international scientific journals (per domain)</p> <ul style="list-style-type: none"> <li>• Domain 1: <b>2</b> journals</li> <li>• Domain 2: <b>3</b> journals</li> <li>• Domain 3: <b>1</b> journal</li> <li>• Domain 4: <b>2</b> journals</li> </ul> <p>32. Number of workshops &amp; seminars organized: <b>15</b></p>

WP5/Task	Quality Assurance Indicator	Evaluation	Measurable Indicators
WP5 – T5.1	<ul style="list-style-type: none"> <li>- The assigned tasks start and finish on time</li> <li>- The project Handbook is defined and validated</li> <li>- The project meetings are scheduled</li> <li>- The minutes of the meetings are done and validated</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> <li>- Internal</li> <li>- Internal</li> <li>- Internal</li> </ul>	<p>1. The number of physical meetings: <b>10</b></p> <p>2. The number of virtual meetings: <b>44</b></p> <p>3. The duration of each task is respected: <b>All</b> tasks have been completed on time overall (considering the 10 months extension of the project).</p> <p>4. Number of deliverables finished on time: <b>24</b> deliverables are delivered on time</p>



	<ul style="list-style-type: none"> <li>- The deliverables are finished and validated on time</li> <li>- The periodic reports are done on time</li> <li>- The final report is ready on time</li> </ul>	<ul style="list-style-type: none"> <li>- Internal</li> </ul>	
WP5 – T5.2	<ul style="list-style-type: none"> <li>- The Quality Assurance Plan is defined and validated</li> <li>- The Quality Assurance Procedures are defined</li> <li>- A work plan with clear division of tasks and responsibilities between partners and timetable is produced</li> <li>- Conflicts are identified and resolved by the partners</li> <li>- Monitoring of the innovation being developed through the project</li> </ul>	<ul style="list-style-type: none"> <li>- External</li> <li>- Internal</li> <li>- Internal</li> <li>- Internal</li> <li>- External</li> </ul>	<p><b>Quality Evaluation system</b> indicators:</p> <ol style="list-style-type: none"> <li>5. Number of QA procedures defined: <b>4</b> main processes/procedures defined (registration, maturity level, training program, evaluation)</li> <li>6. Number of PMB reports: <b>14</b></li> <li>7. Number of travel reports: <b>113</b></li> <li>8. Number of Timesheets produced (per person, per category): around <b>80</b></li> <li>9. Number of conflicts solved: <b>1</b></li> <li>10. Number of publications in international conferences: <b>20</b></li> <li>11. Number of international journals submitted: <b>7</b> accepted + <b>2</b> submitted</li> </ol>