

ClimACT – Acting for the transition to a low carbon economy in schools – development of support tools

WP3 – Implementation of a methodology conducting to a low carbon economy in 35 pilot schools

WP definition over the first 6 months
July – December 2016

Objective of the WP:

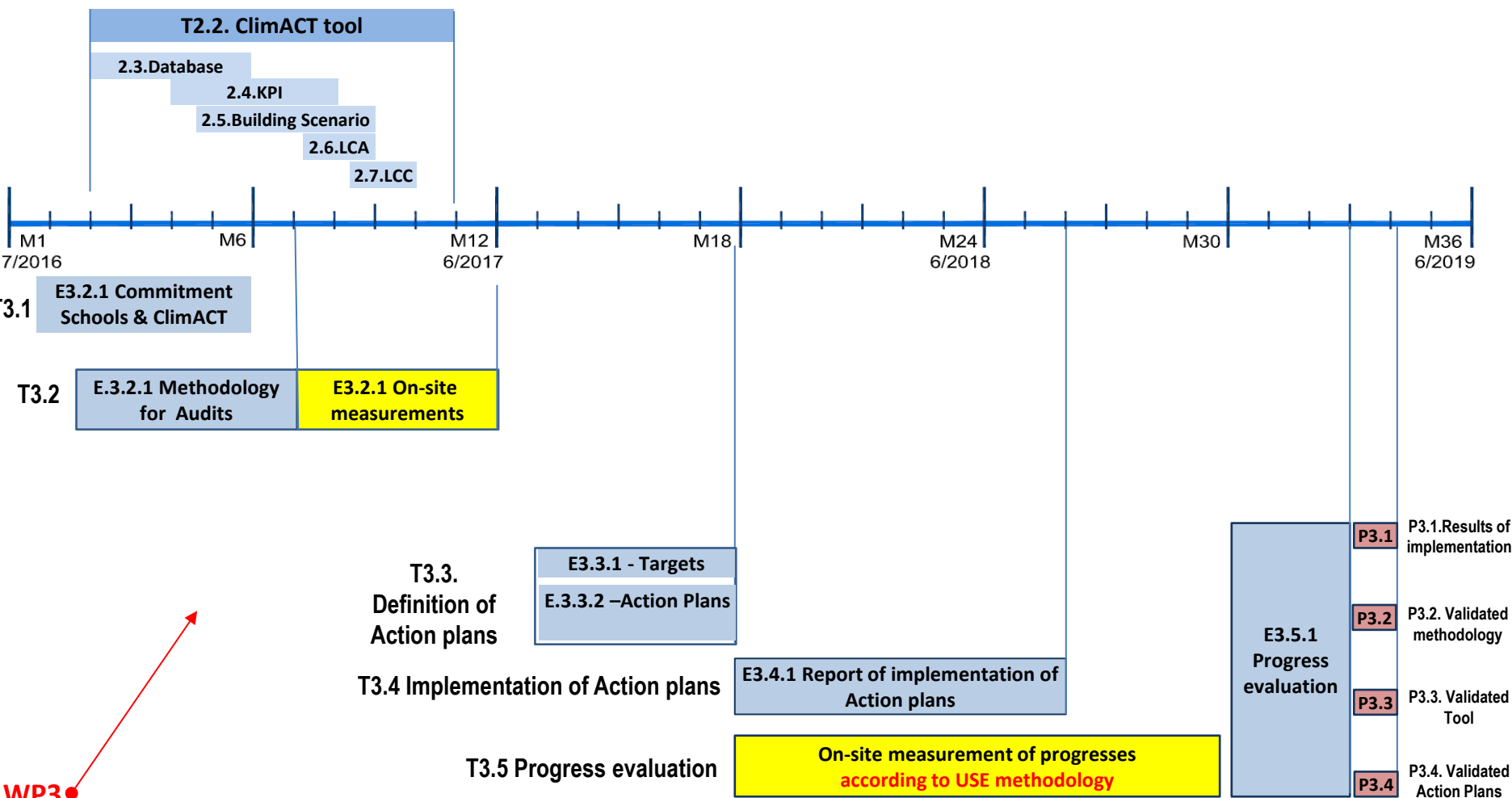
- Demonstrate that the developed tools (developed in WP2) lead to an effective transition to a low-carbon economy in existing schools around SUDOE region.
- The methodology will be validated with real data conditions of 35 schools from Portugal, Spain, France and Gibraltar, over a period of 34 months with the aim to ensure the reliability of the final outcomes.

Main objectives for the first 6 months:

Products	Date	Lead	TASK	Deliverable	Date
		ABAE	3.1 Commitment to a policy conducting to a Low Carbon Economy in schools	3.2.1 LCE COMMITTEE MEMBERS, WORK PLAN AND ECO-CODES	M6 - 31/12/2016
		IST	3.2 Assessment baseline in energy, environment and CO2 emissions performance, audits and benchmarking	3.2.1 GUIDELINES OF STANDARD METHODOLOGIES TO CONDUCT ENERGY AND ENVIRONMENT AUDITS IN SCHOOLS	M7 - 31/01/2017
				3.2.2 REPORT ON BASELINE ENERGY AND ENVIRONMENT PERFORMANCE	M12 - 30/06/2017
		USE	3.3 Definition of targets and development of action plans	3.3.1 SHORT AND LONG TERM TARGETS	M18 - 31/12/2017
				3.3.2 BEST AVAILABLE ACTIONS AND SMART CONTROL STRATEGIES	M18 - 31/12/2017
3.1. Implementation of a methodology aiming a low-carbon economy in 35 pilot schools	03.2019	USE	3.4 Implementation of action plans	3.4.1 REPORT OF THE IMPLEMENTATION OF ACTION PLANS	M26 - 31/08/2018
3.2. Methodology to implement a low-carbon economy in schools	04.2019			3.5.1 REPORT OF THE EVALUATION OF THE LCE STRATEGIES IMPLEMENTATION	M33 - 31/03/2019
3.3. ClimACT tools validated	04.2019				
3.4. Strategic Action Plans conducting to a LCE in SUDOE schools	04.2019				

OVERVIEW WITH PREVIOUS ACTIVITIES:

WP2



WP3

WP 3 – PRODUCTS

Products	Date	Leader	Indicators
P 3.1 Implementation of a methodology aiming a low-carbon economy in 35 pilot schools	March 2019	WP3 USE T3.1-T3.5	No. of pilot schools: 35 Regions: 6 Municipalities: 10 Students: 12000 Teachers: 300 School manager: 35 Families: 12000
3.2. Methodology to implement a low-carbon economy in schools	April 2019	WP3 USE T3.1-T3.5	Number of downloads: 300
3.3. ClimACT tools validated	April 2019	WP3 USE T3.1-T3.5	No. of schools: 35 No. of students: 12000 No. of business models (ESCO for high cost actions) tested in the schools: 4
3.4. Strategic Action Plans conducting to a LCE in SUDOE schools	April 2019	WP3 USE T3.1-T3.5	Number of measures identified: 50

WP3 leader – USE/ABAE/IST

Tasks	Leaders
3.1 Commitment to a policy conducting to a Low Carbon Economy in schools	ABAE
3.2 Assessment baseline in energy, environment and CO2 emissions performance, audits and benchmarking	IST
3.3 Definition of targets and development of action plans	USE
3.4 Implementation of action plans	USE
3.5 Progress evaluation	USE

TASK 3.1 – Commitment to a policy conducting to a Low Carbon Economy in schools

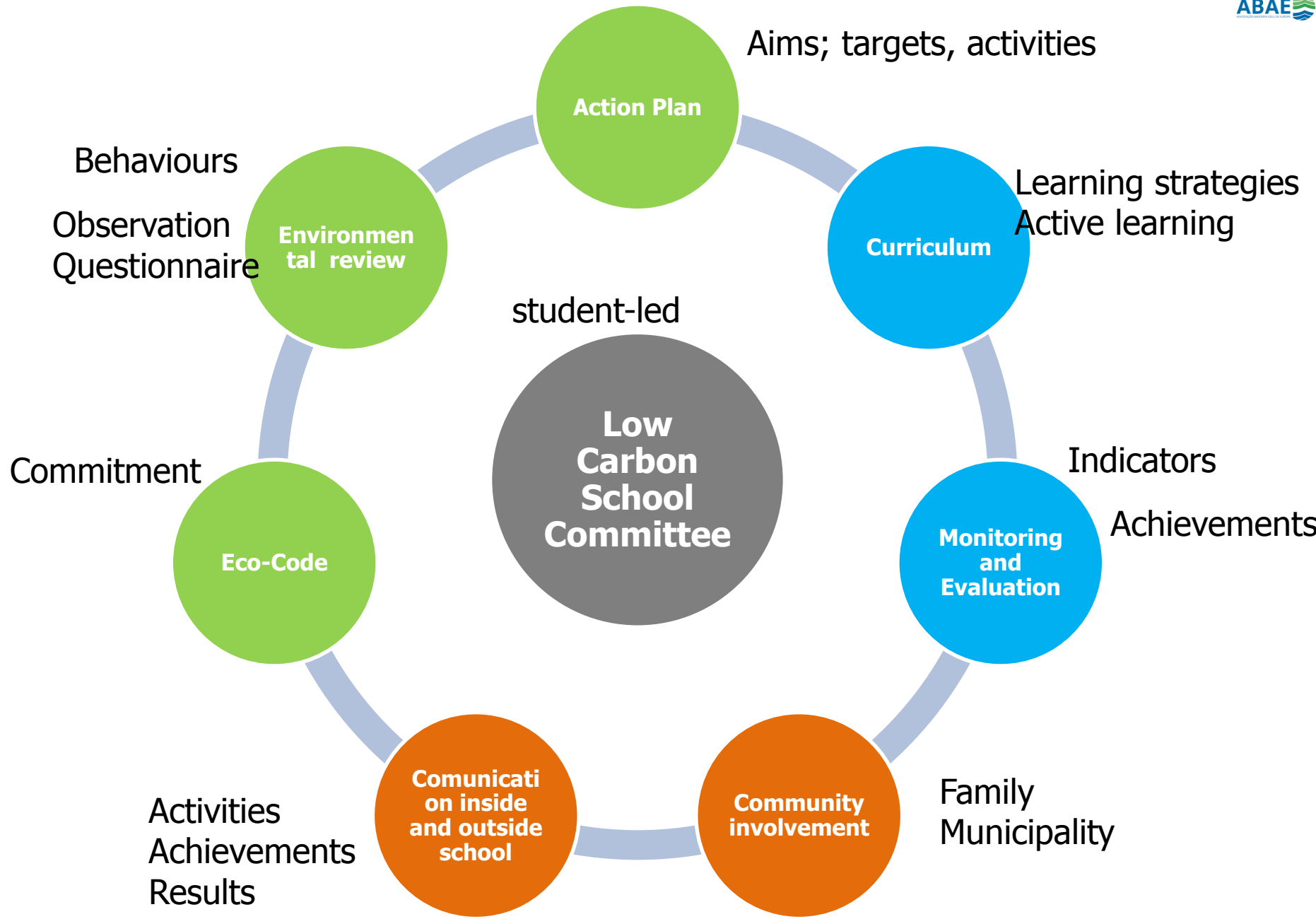
Leader: ABAE

Activity	Output	Who	Deadline
Define of methodology for internal structure, work plan and eco-codes required to be implemented for each partner in schools.	Activity 3.1	ABAE	31/12/2016
Development and definition of methodolgy in each school	Activity 3.1 Deliverable 3.2.1	ABAE/ EDIGREE/CIEMAT /USE /UniGib/VLR/ ALL	M6 - 31/12/2016

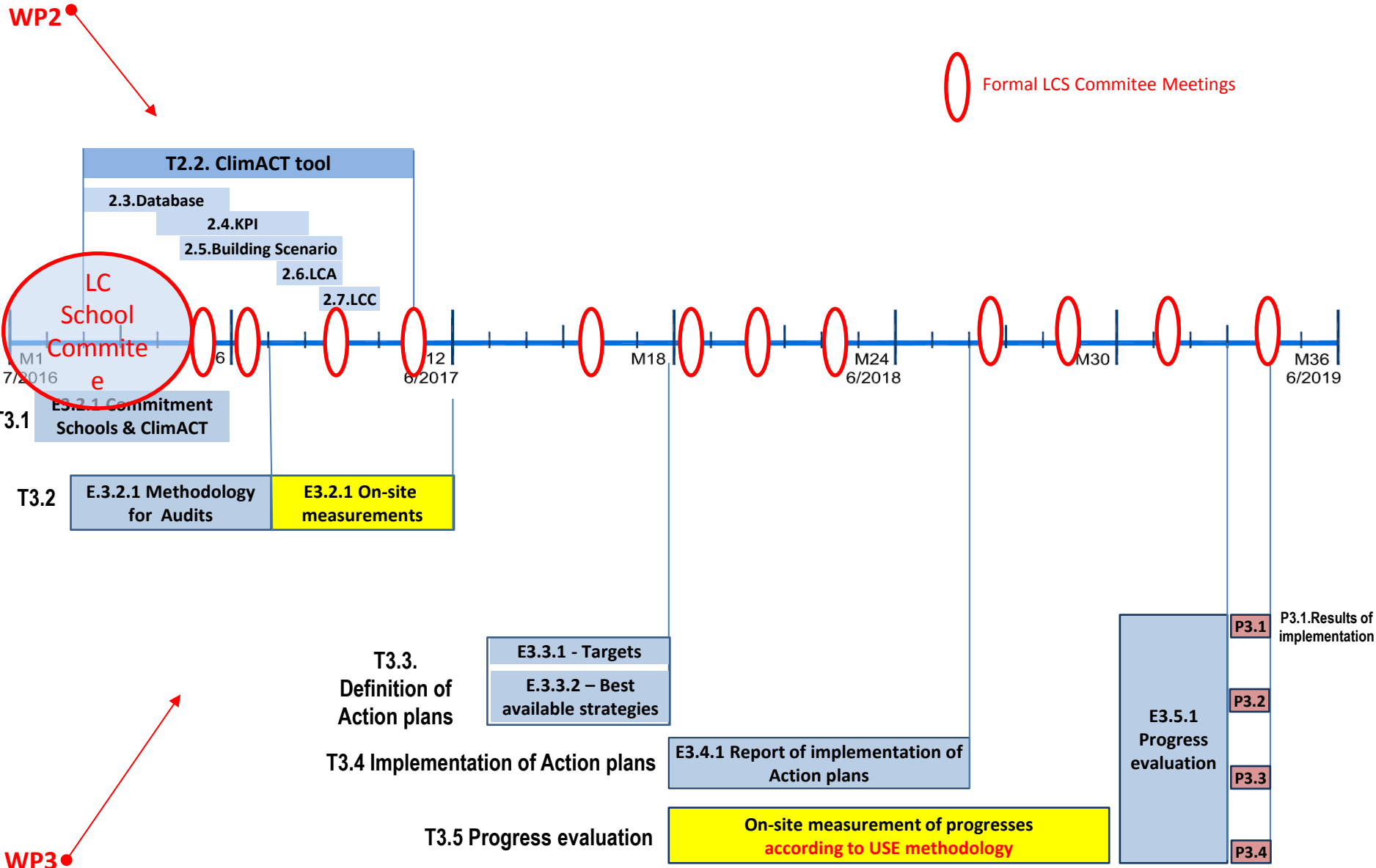
Aims to help schools to maximise the success of their LCS-School ambitions. The method involves a wide diversity of individuals from the school community - with students playing a primary role in the process.

Low Carbon School Committee is the driving force behind the process and will represent the ideas of the whole school.

- Composition : Students/Teachers/The Director Non-Teaching Staff (e.g. Secretary, Caretaker, Cleaner)/Parents; member of municipality ; members of the wider community (e.g. NGO)
- It is student-led
- Is involved in the audits
- Finds the connections to regular curriculum activities and proposes links to different school years
- Carries on a survey to students about environmental behaviors/ practices
- Meets regularly to discuss and evaluate the actions that are being implemented
- Defines and implements the communication inside the school
- Ensures that the entire school knows about ClimACT and will receive regular updates
- Ensures the commitment of the school members to a named change / continuity of behaviors and practices towards a LCES, defined in the LCS Eco-Code
- Works toward the commitment of the community in the same direction



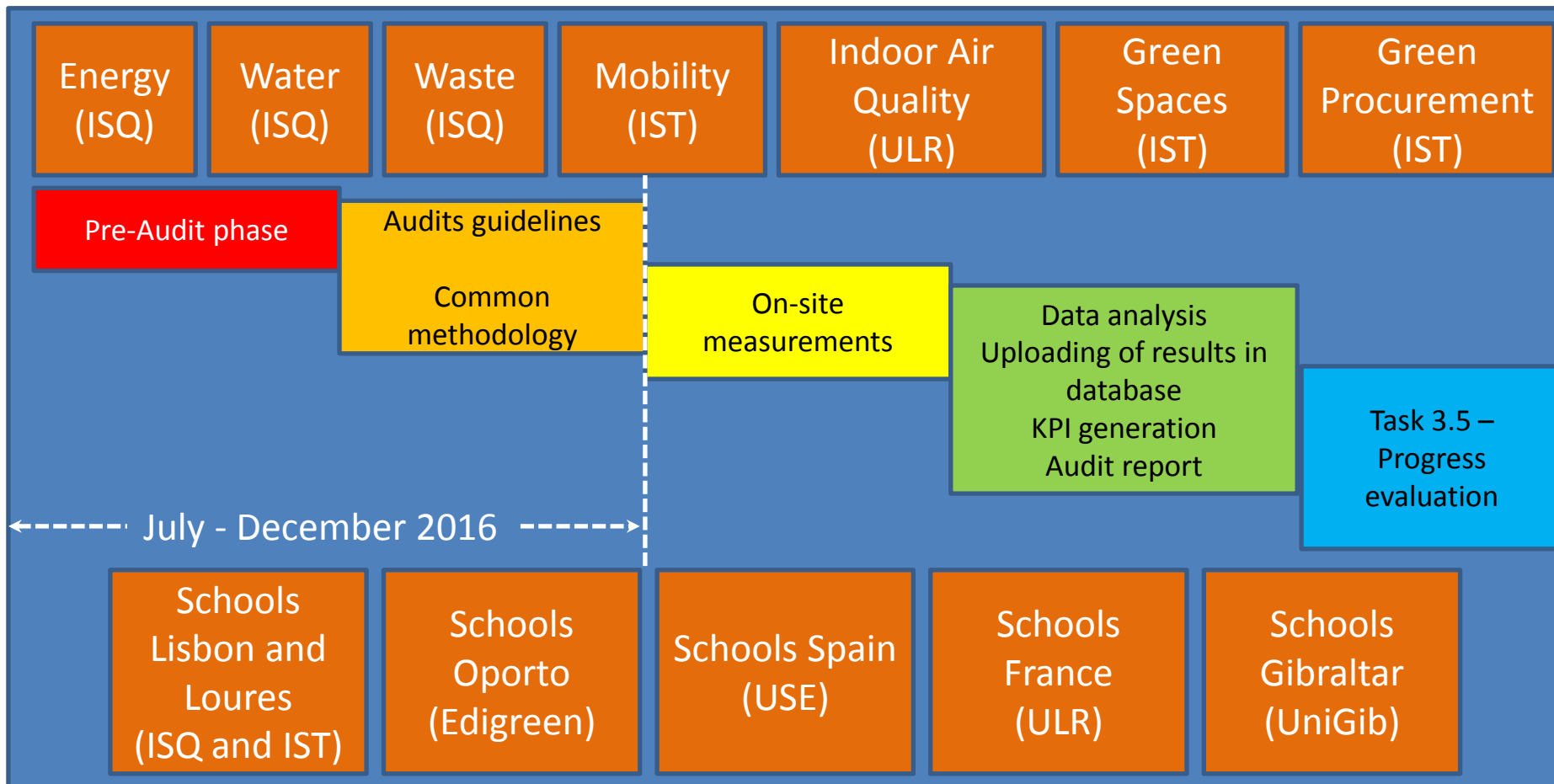
TASK 3.1 – Commitment to a policy conducting to a Low Carbon Economy in schools



TASK 3.2 – Assessment baseline in energy, environment and CO2 emissions performance, audits and benchmarking

July – December 2016

Sector leader



Schools leader

Inputs / Interactions from partners

Preparation of questionnaires by sector leader
15 October 2016

Pre-audit by school leaders
30 November 2016

Preparation of audits guidelines by sector leader
31 December 2016

Final document by IST (E3.2.1)
31 January 2017

On-site measurements by school leaders

15 February 2017- 30 April 2017

Report format by IST
31 January 2017

Upload of results in database by schools leaders
30 April 2017

KPI generation by Edigreen
14 May 2017

Report from each school leader to IST
31 May 2017

Report on baseline energy and environment performance (E3.2.2)
30 June 2017

TASK 3.2 – Assessment baseline in energy, environment and CO2 emissions performance, audits and benchmarking

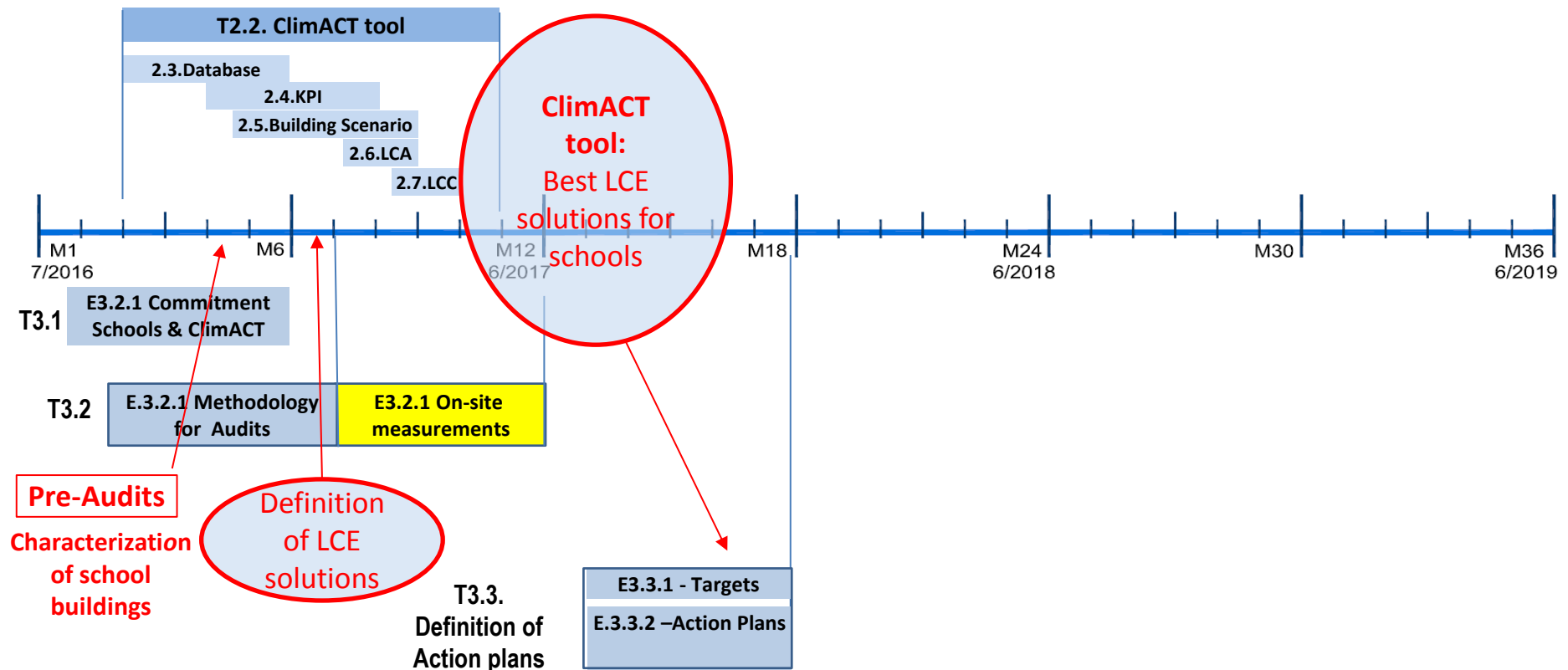
July – December 2016

Leader: IST

Activity	Output	Who	Deadline
Preparation of questionnaires for Pre-audit	Activity 2.2	Sector leader	15-10-2016
Pre-audit	Activity 2.2	School leaders	30-11-2016
Audits' guidelines per sector	Activity 2.2	Sector leader	31-12-2016
Audits' guidelines	Deliverable E3.2.1	IST	31-01-2017
Audits' report format	Activity 2.2	IST	31-01-2017
On-site measurements and upload of results in database	Activity 2.2	Schools leaders	30-04-2017
KPI generation	Activity 2.2	Edigreen	14-05-2017
Schools Audit report	Activity 2.2	Schools leaders	31-05-2017
Report on baseline energy and environment performance	Deliverable E3.2.2	IST	30-06-2017

WP2

OVERVIEW WITH PREVIOUS ACTIVITIES:



WP3

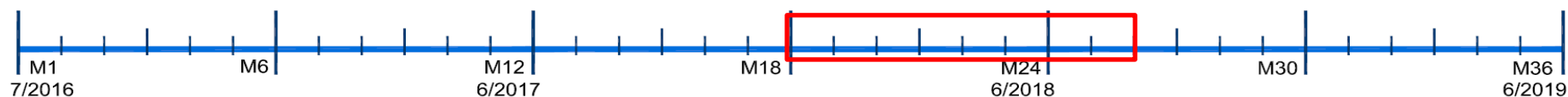
Leader: USE

Activity	Output	Who	Deadline
<i>Definition, classification and breakdown of LCE measures and packages for schools. It will be classified into following groups: G1. Low cost measures G2. High cost measures</i>	<i>Activity 2.4</i>	<i>All</i>	<i>M7</i>
Guidelines for delivering of: -Results of energy and environmental performance of schools -Action plans for each region according to ClimACT tool.	Activity 3.3	USE	M14
Results of ClimACT tool for determinating best available LCE measures for each region.	Activity 3.3	School leaders	M16 - 31/12/2017
Definition of targets for short and long term actions for each region. These plan actions will be implemented and assessed.	Activity 3.3	School leaders & All	M16 - - 31/12/2017
SHORT AND LONG TERM TARGETS	Deliverable E3.3.1	USE	M18 - 31/12/2017
BEST AVAILABLE ACTIONS AND SMART CONTROL STRATEGIES	Deliverable E3.3.2	USE	M18 - 31/12/2017

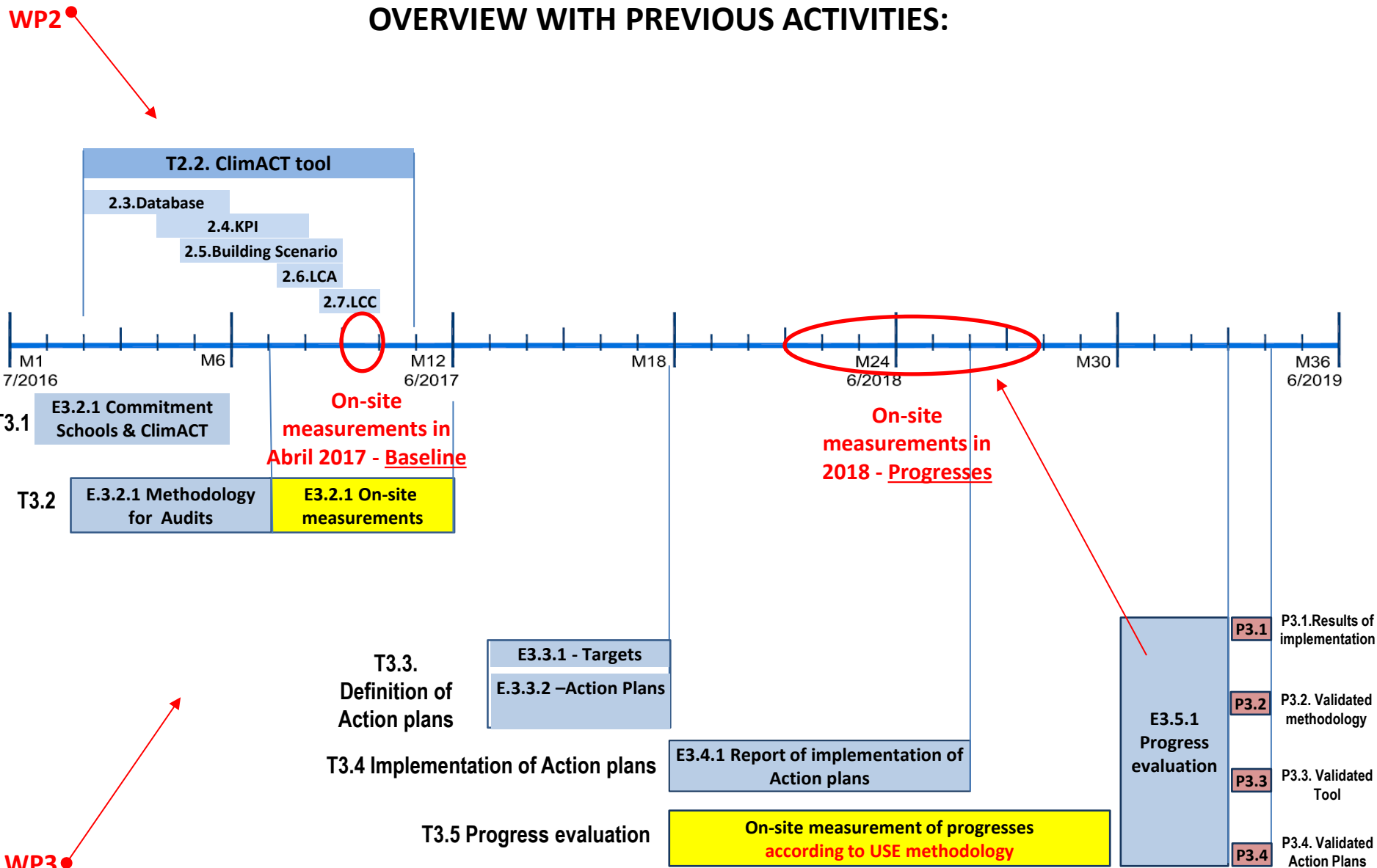


Leader: USE

Activity	Output	Who	Deadline
Motivation plan to engage schools, municipalities and all actors involve in the decision process of implementing the action plans. This motivation plan includes: - Create a communication plan - Raise awareness - Track and monitor	Activity 3.4	USE	M19
Guideline for the reports on implemented actions	Activity 3.4	USE	M20
Reports about implemented actions in schools, according to guidelines defined by USE.	Activity 3.4	School leaders	M24
REPORT OF THE IMPLEMENTATION OF ACTION PLANS	Deliverable E3.4.1	USE	M26 - 31/08/2018

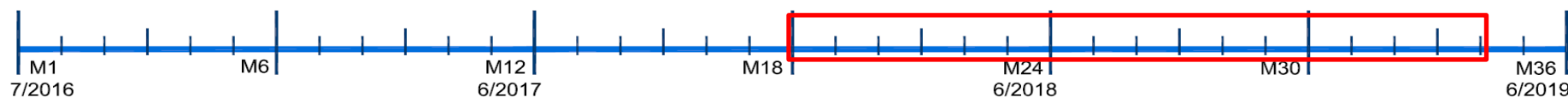


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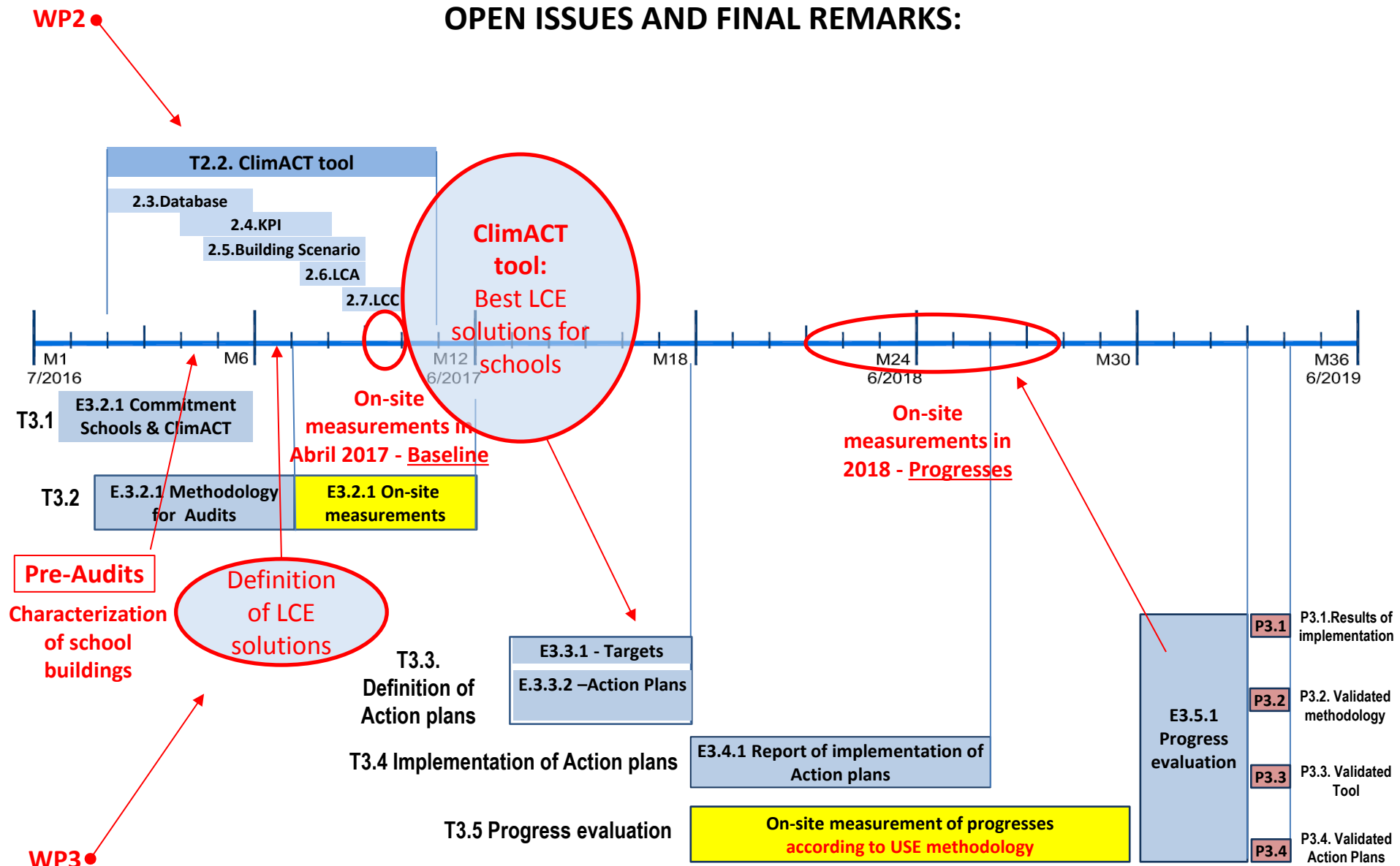


Leader: USE

Activity	Output	Who	Deadline
Definition of the on-site measurement schedule for progress evaluation of action plans	Activity 3.5	USE	M19
On-site measurements and upload of results after the implementation of action plans in database, following Audits' guidelines developed in task 2.3.	Activity 3.5	Schools leaders	M28
Real-conditions KPI generation after the implementation of action plans	Activity 3.5	Edigreen	M28
Audits' report format, incorporating KPI's evolutions.	Activity 3.5	USE	M28
Schools Audit report. Reports of achievements. Quantification of success achieved for each LCE strategy	Activity 3.5	School leaders	M30
-Results of the finalized implementation -REPORT ON THE EVALUATION OF THE LCE STRATEGIES IMPLEMENTATION	Product 3.1 Deliverable E3.5.1	USE	M33 - 31/03/2019
-Document about the validated methodology -Validation of the tools -Document about validated action plans	Product 3.2 Product 3.3 Product 3.4	USE	M34 - 04.2019



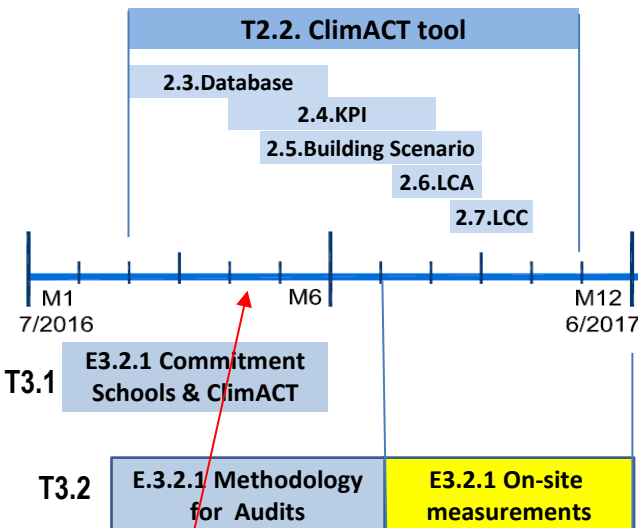
OPEN ISSUES AND FINAL REMARKS:



OPEN ISSUES AND FINAL REMARKS:

WP2

Characterization of school buildings



Pre-Audits

Characterization
of school
buildings

WP3

