



Aardgas
Le gaz naturel

LAB^{TQ}

Brussels

3rd of May 2012



History (1)

In the early 90's

LABNET,

a voluntary informal network of labs,
was created

with as main objectives :

- *improvement of laboratory performance*
- *development of methods*
- *inter-laboratory testing*



History (2)

LABNET

was successful, did a lot of useful work and had about 25, mainly EU based, members but...

- was not always recognized as stakeholder not being only a voluntary network of labs
- the inter-laboratory testing systematically took very long while needed for ISO 17025 accreditation
- a need to elaborate a system of more binding quality criteria existed and so...



LAB^{TQ} has been created in 2008

An formal association of independent ISO 17025 accredited laboratories active in the field of measuring efficiencies and emissions of energy using appliances.



Objectives

- *the enhancement of the accuracy of efficiency and emission measurements by or on behalf of its members in the field of energy using appliances;*
- *the management, awarding, use and promotion of a qualification awarded to independent laboratories respecting an enhanced level of accuracy;*
- *the communication of common positions to relevant third parties.*



Specific objective

A major objective is to guarantee that its members meet stringent quality criteria for performing energy efficiency testing by

- requiring an ISO 17025 accreditation ;*
- continuously organizing compulsory inter-laboratory tests among its members with result criteria to be satisfied ;*
- striving for the highest possible level of specific measurement knowledge by sharing technical experiences and discussing possible solutions regarding approval and measurement techniques through periodical technical meetings.*



Inter-laboratory tests

	Boiler Full Load	Boiler Part Load	Cooker
APPLUS			On going
ARGB			On going
CATIM			On going
CETIAT			
DGC			On going
DVGW-EBI			On going
GASTEC CRE			On going
IGE			
IMQ			On going
INIG	On going	On going	On going
KIWA NL			On going
KIWA IT			On going



complies with the validation requirements;



not participated in inter-comparison

status: 24.04.2012

Boiler Full Load RRT04 (2011-2012), Boiler Efficiency Full Load, validation criteria +/- 2%, achieved: +/- 1,5%

Boiler Part Load RRT04 (2011-2012), Boiler Efficiency Part Load, validation criteria +/- 3%, achieved: +/- 1,25%

Cooker RRT03 (2011-2012), RRT finalized, evaluation still running

water heater RRT planned for 2012

solid fuel appl. RRT planned for 2012/2013



Technical branch

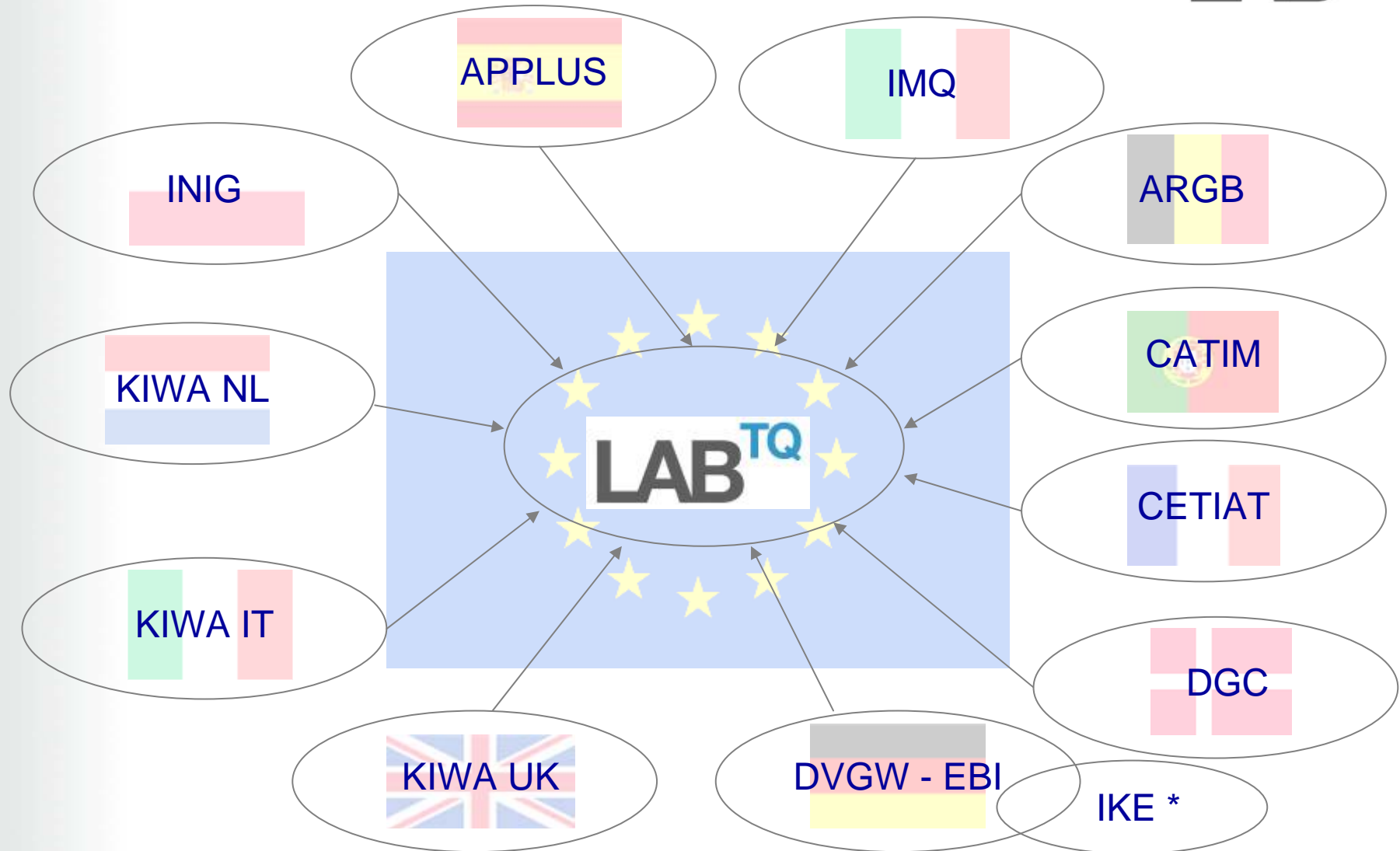
Since last year LABNET has been integrated in LAB^{TQ} as its technical branch.

List of treated topics :

- WP1 GLP Efficiency (GLP document)
- WP2 GLP NOx CO (GLP document)
- WP3 Intercomparison (Gas & fuel oil boilers) (see below)
- WP4 Databases
- WP5 Uncertainty calculation
- WP6 Research
- WP7 New procedures, methods
- WP8 Computer programs
- WP9 Harmonisation of Quality assurance
- WP10 Electric consumption of appliances
- WP11 Annual efficiency of boilers
- WP12 Annual emissions
- WP13 On site test of efficiency
- WP14 On site test of emissions
- WP15 Hot water
- WP17 Labelling of heating appliances



Full members 2012



* : limited to LAB^{TQ}'s technical activities



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More information

LAB^{TQ} association :
www.labtq.eu

Technical part 'LABNET' :
labnet.dgc.eu