



Deliverable 6.6: Participation in 2 international events INTAS Project

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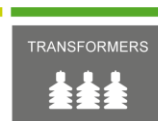
Project acronym: INTAS

Project full name:

Industrial and tertiary product Testing and Application of Standard



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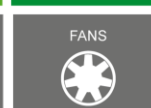
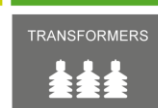
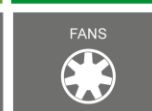


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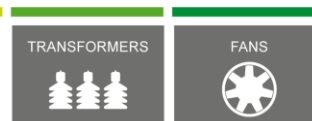
About the INTAS project

The aim of the INTAS project is to provide technical and cooperative support, as well as capacity building activities, to Market Surveillance Authorities (MSAs). The need for the INTAS project arises from the difficulty that MSAs and market actors face in establishing and verifying compliance with energy performance requirements for large industrial products subject to requirements of the Ecodesign Directive, specifically transformers and industrial fans. Therefore, the project aims to:

- Support European Member State MSAs deliver compliance for large products (specifically for transformers and large fans);
- Support industry to be sure of what their obligations are under the Ecodesign Directive and to deliver compliance in a manner that will be broadly accepted by MSAs;
- Foster a common European approach to the delivery and verification of compliance for these products.

List of project partners:

WIP Renewable Energies	Europe
European Environmental Citizens' Organisation for Standardisation	Europe
European Copper Institute	Europe
Engineering Consulting and Design	Europe
Waide Strategic Efficiency	Europe
Austrian Energy Agency	Austria
Federal Public Service Health, Foodchain, Safety and Environment	Belgium
SEVEN Energy Efficiency Center	Czech Republic
Danish Technological Institute	Denmark
Finnish Safety and Chemicals Agency	Finland
The Polish Foundation for Energy	Poland
Directorate General of Energy and Geology	Portugal
Romanian Regulatory Authority for Energy	Romania
Foundation for the Promotion of Industrial Innovation	Spain
Italian National Agency for New Technologies, Energy and Sustainable Economic Development	Italy
Food and Economic Safety Authority	Portugal



Introduction

In addition to the dissemination at national level carried out throughout the project, INTAS targeted an international audience: both stakeholders from Europe and the rest of the world. It was estimated that communicating the INTAS outcomes and methodologies helps maintain Europe's position as the leading innovator in monitoring, verification, and enforcement activities and energy policy.

ECOS was responsible for the selection of, and participation in, two international conferences held during the course of the project, in which it would present the state and main results of the project. ECOS was also responsible for the delivery of abstracts, papers and presentations for these events. With support from other INTAS partners, ECOS over-delivered on this task.

Record of INTAS submissions to international events

The table below summarises the official conferences that ECOS and partners targeted under this deliverable. **Links to abstracts, papers and presentations can be found [here](#).** In addition to these official conferences, there was a number of other dissemination activities that INTAS partners carried out (presentations in standardization activities, ADCO meetings, etc.), which will be described in the INTAS final report.

International event	Abstract	Paper	Presentation
AEIT 2016 Capri, Italy, 5-7/10/2016	Accepted	Accepted	ECD
FAN 2018 Darmstadt, Germany, 18-20/04/2018	Accepted	Accepted	DTI & ECI
ECEEE Industrial Study Berlin, Germany, 11-13/06/2018	Not accepted*		
ACEEE Summer Study Pacific Grove, California, USA, 12-17/08/2018	Not accepted*		
EUSEW 2018 Brussels, Belgium, 4-8/06/2018	Application accepted		ECOS
EEM 2018 Lodz, Poland, 27-29/06/2018	Accepted	Accepted	ECOS
EFEA 2018 Rome, Italy, 24-26/09/2018	Accepted	Accepted	ECD
World Magnetic Conference 2018 Pordenone, Italy, 26-27/09/2018			ECI
AEIT2018 Bari, Italy, 3-5/10/2018	Accepted	Accepted	ECD
Trafotech 2018	Accepted	Accepted	

New Delhi, India, 4-5/10/2018			
<u>Motor Summit 2018</u> Zürich, Switzerland, 14-15/11/2018	Accepted	Accepted	DTI
<u>EuroDoble Colloquium</u> Manchester, UK, 22-24/10/2018	Accepted		ECI
<u>5th International Event on Distribution Transformers Performance</u> Brussels, Belgium, 14/11/2018			WIP, ECOS, ENEA & ECI
<u>EUSEW 2019</u> Brussels, Belgium, 17-21/06/2019	Application submitted		ECOS

* These two non-accepted abstracts have been added as appendices below.

Annex 1: eceee abstract

How to achieve effective market surveillance for large fans and transformers through results from the INTAS project (Industrial and tertiary product Testing and Application of Standards)

Angelo Baggini¹, Ingrid Weiss², Tomas Jezdinsky³, Paul Waide⁴, Nerea Ruiz Fuente^{5*}, Christian Holm Christiansen⁶, Franco Bua⁷

¹University of Bergamo Engineering Faculty, Italy

²WIP Renewable Energies, Sylvensteinstr. 2, 81369 Munich, Germany

³European Copper Institute, Avenue de Tervueren 168, b-10, 1150 Brussels, Belgium

⁴Waide Strategic Efficiency Ltd. , 72 Lairgate, HU17 8EU, Beverley, United Kingdom

⁵European Environmental Citizens' Organisation for Standardisation, Rue d'Edimbourg 26, 1050 Brussels, Belgium. *Primary author – in terms of abstract submission, Angelo Baggini will be the presenter

⁶Danish Technological Institute, Gregersensvej, 2630 Taastrup, Denmark

⁷Engineering Consulting and Design, Italy

Key words: market surveillance, ecodesign, industrial products, power transformers, large fans

Market Surveillance Authorities (MSAs) and market actors face difficulties establishing and verifying compliance of large industrial products. The INTAS project is funded by EU H2020 to provide technical and cooperative support, as well as capacity building to MSAs targeting large fans & transformers which are subject to energy performance requirements under the Ecodesign Regulation. Both product categories have already realised and will continue to improve their energy saving potential, however estimates on expected losses through non-compliant products likely to be put in service without market surveillance until 2025 are in the range of 5 to 10 TWh per year.

Specifically, INTAS aims to: (1) Support EU MSAs deliver compliance for large fans & transformers; (2) Support industry on their obligations under the Ecodesign Directive and delivering compliance that will be broadly accepted by MSAs; (3) Foster a common EU approach to delivery and verification of compliance for these products.

In a first stage, INTAS has analysed the existing testing avenues, and explored test standards, procedures and methods already in place for both product groups. Now, the project is defining an effective compliance framework for MSAs and manufacturers and will conduct real evaluation and testing.

Focusing on the strengths and limitations of current industry practices, i.e. scale-model testing and part load testing, the final scope is to define recommendations on methodologies and required documentation, in alignment with MSAs and industry.

This will provide recommendations for EU and national policy makers to ensure effective market surveillance and energy efficiency compliance of products to be placed on the market.

Panel #1 Policies and programmes to drive transformation

Type: presentation based on the abstract



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Annex 2: ACEEE abstract

Effective Framework for Standards Enforcement of Power Transformers and Large Fans through European-wide 3-year project

Dr. Teemu Hartikainen^{1}, Ingrid Weiss², Tomas Jezdinsky³, Paul Waide⁴, Nerea Ruiz Fuente^{5*}, Christian Holm Christiansen⁶*

¹Finnish Safety and Chemicals Agency (Tukes)

Yliopistonkatu 38, 33100 Tampere – FINLAND

00358295052655

Teemu.Hartikainen@tukes.fi

**Lead/Presenter*

²WIP Renewable Energies, Sylvesterstr. 2, 81369 Munich, Germany

³European Copper Institute, Avenue de Tervueren 168, b-10, 1150 Brussels, Belgium

⁴Waide Strategic Efficiency Ltd. , 72 Lairgate, HU17 8EU, Beverley, United Kingdom

⁵European Environmental Citizens' Organisation for Standardisation, Rue d'Edimbourg 26, 1050 Brussels, Belgium. **Lead/Presenter*

⁶Danish Technological Institute, Gregersensvej, 2630 Taastrup, Denmark

Key words: market surveillance, ecodesign, industrial products, power transformers, large fans

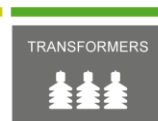
European Market Surveillance Authorities and market actors alike are facing difficulties establishing and verifying compliance of large industrial products, as one of the obstacles being the lack of EU lacks compulsory product certification and registration systems. Hence, the \$2.5M EU-funded project INTAS (Industrial and tertiary product Testing and Application of Standards) will provide technical and cooperative support, as well as capacity building for Authorities, targeting power transformers and large fans subject to minimum energy performance standards (MEPS). Correct implementation of MEPS in the EU through the Ecodesign Directive would result in 600 TWh annual savings in electricity by 2020. Almost 10% of those savings could be reached if power transformers and large fans can be proven compliant. Specifically, INTAS aims to: (1) Support EU Authorities to enforce compliance for these products; (2) Support industry on their MEPS-obligations, and deliver compliance that will be broadly accepted by the Authorities; (3) Foster a common European approach to enforcement of compliance for these products. INTAS has analysed the existing testing avenues, and explored global test procedures and methods already in place for both product groups. Results of that analysis, relevant for the USA, are presented here. Next, the project defines an effective compliance framework for Authorities and manufacturers, and conducts real testing and evaluation; including scale model and part-load testing, and witness testing by auditing manufacturer premises. Finally, INTAS evaluates the results of the previous processes and proposes a valid and reliable methodology, that could be applied in standards enforcement in the USA as well.

Panel 5. Codes and Standards (includes market surveillance efforts, in the US called “standards enforcement”).

Type: Oral presentations over poster displays



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More information
about the INTAS project activities
and all of its results
are published on:

www.INTAS-testing.eu

Contact to the project coordinator:
Ingrid Weiss
Ingrid.Weiss@wip-munich.de

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