



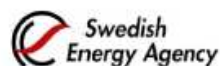
NORDSYN

- Nordic Cooperation on Market surveillance

Aarhus 14-15th. November 2016
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Danish Energy Agency



NORDSYN





1. About Nordsyn



- **Aim: better market surveillance and a Nordic view**
- A Nordic cooperation project on market surveillance of ecodesign and energy labelling
- A three-year-project 2013-2015 + continuation 2016-2017 funded by Nordic Council of Ministers
- Initiated by the Nordic Energy Ministers under the Nordic Prime Ministers' green growth initiative, "The Nordic Region – leading in Green Growth"
- Project leader Lovisa Blomqvist and Lina Kinning, Swedish Energy Agency, and an active steering group with representatives from five cooperating agencies



Results Nordsyn



Better market surveillance is achieved at a lower cost when the authorities cooperate, resulting in better conditions for producers and consumers.

The Nordic countries now have **close contact** and share questions, EU Commission answers, test results and market surveillance plans – which give a more **uniform implementation** of legislation.

The Nordsyn Effect project shows that **market surveillance is cost efficient**, especially when countries cooperate: a prevented energy loss worth €28 million for a market surveillance cost of €2.1 million in the Nordic countries – i.e. a return on investment of 13.

The Nordsyn “Strategic Nordic Products – Heat pumps” project and the overall cooperation strengthen the Nordic countries to give a **Nordic view** into the EU negotiations



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Nordsyn – lessons learned on cooperation



- Share market surveillance plans in the beginning of each year.
- Share results of market surveillance activities like tests, document controls etc.
- Make sure test reports etc. are in English, at least a summary.
- When performing market surveillance, always ask for a list of equivalent products to share with colleagues.
- If possible, use accredited labs and robust standards.
- If possible, try to choose products that are present in all/many of the cooperating countries (depending on aim of test).
- If possible, share responsibility for products, kind of tests, information material etc.



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Best of Nordsyn

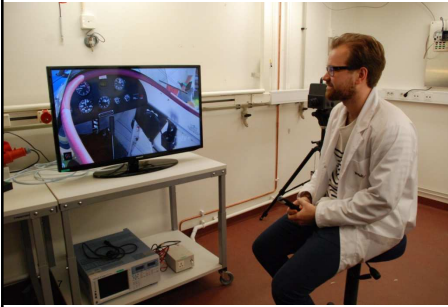


Close to colleagues – well functioning network to email/call about interpretation of legislation, questions from industry etc.

Better information to producers etc – same implementation, sharing of information material, better knowledge

Cost efficient market surveillance – share and discuss test results, results of documentation inspections, planning of tests etc.

→ true information and better products for consumers



Nordsyn 2013-2015



- 1.Strategic Nordic products – Heat pumps (2014)
- 2.Working methods (2013)
- 3.Barriers (2013-2015)
- 4.Workshops/conference (2013-2015)
- 5.Information material (2013)
- 6.Challengers for market control (2015)
- 7.Effects of market control (2013-2014)
- 8.Cooperation with customs (2013-2014)
- 9.How small countries work with ecodesign and energy labelling (2013-2014)
- 10.Secretariat: coordination, information and test exchange etc (2013-2015)

2. Effect project



Aim: calculate the achieved benefits of market surveillance carried out 2011-2013 and estimate potential energy loss due to non-compliant products on the Nordic market

The results indicate:

-A **prevented energy loss of 28 million Euro** for a market surveillance **cost of 2,1 million Euro** in the Nordic countries – i.e. a return on investment (ROI) of 13.



-An overall rate of **6,3% energy non-compliance** at a typical level of 35 kWh/y for the dominant non-compliant appliances, and a spread from 1,6 to 700 kWh/y in non-compliance.



-Saved electricity of **165 GWh** in full lifespan can be achieved from sales of one year if all Nordic countries share and act on all tests.

-The average total cost per appliance tested in lab was around **6000 Euro**, but this varies widely for products.



-Individual Nordic **countries can save a lot on market surveillance** expenses when results from other Nordic countries are shared, and subsequently increase market surveillance efficiency.

3. Strategic Nordic Products



Heat pumps

- strategically important in the Nordic countries
- lot of Nordic industry, climate sensitive

Results:

- overview of legislations, national schemes, actions taken to promote energy efficient heat pumps
- recommendations on further actions that could be carried out by Nordic authorities: joint heat pump list, joint workshops with companies etc



4. Survey SMEs



Target groups: heat pumps, boilers, water heaters, space heaters, air conditioning
Manufacturers, importers, retailers, distributors, authorized representatives

Aim: to get a good **overview of how well the industry know of current/upcoming ecodesign- and energy labelling regulations, what material they need** from MSAs to be better prepared and to better inform consumers

The study also worked as an information campaign ☺

Results:

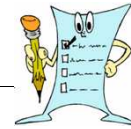
Knowledge of ecodesign- and energy labelling regulations is not great.

All information is welcome, especially if short, condensed and understandable.

Preferred ways to get information: possibility to ask questions directly on email or by phone, information on webpages, direct emails sent to companies and guidance documents.

Information is preferred in native languages *and* in English.

90% of all respondent support certification of installers.



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5. Challenges



Study on how to handle challenges for market surveillance:
systems, business-to-business products, large and/or very expensive products etc.

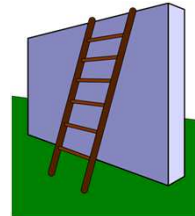
Input to Commission in July 2015 on what studies they should initiate (market surveillance at producer, at final customer etc)

Product studies on:

Transformers incl in-situ testing

Ventilation systems

This project will continue 2016-2017



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6. Information material



Publications available at www.norden.org/nordsyn/pub

Information material:

30 guidelines for producers on technical documentation (for products like air-conditioning, TV, circulators, lamps, washing machines, motors, heat pumps etc)

6 fact sheets/brochures for producers (lot 1&2 – heat pumps, boilers, water heaters)

Reports from Nordsyn subprojects:

Nordic Effect Project

Strategic Nordic Products – Heat pumps Survey SMEs



Nordsyn plans 2016-2017



Project ideas:

- 1.Heat pump list
- 2.App for consumers on energy labelling (possibly by translating the Ecogator app)
- 3.Guide to labelling online for web-shops
- 4.Guidelines to technical documentation
- 5.Challenges 2 – in situ testing of ventilation?
- 6.Effect project 2
- 7.Windows study – policy cooperation
- 8.Other suggestions? Other information on energy labelling, mc material on boilers etc (lot 1&2)



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+ continued cooperation on tests, doc controls, questions etc.



Info and publications available at www.norden.org/nordsyn

Nordsyn secretariat and chair:
Lovisa Blomqvist and Lina Kinning, Energimyndigheten



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