

**HVAC products subject to stringent
mandatory energy requirements
sooner or later.**

Are we prepared?

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- THE GROWING "DIRECTIVE JUNGLE"



Background

- The number of new EU regulations, also in the field of energy and environment, has increased rapidly recently, and is still increasing. EU regulations are more and more replacing national ones
- Most PRODUCTS used in buildings are already subject to several EU Regulations (CPR, LVD, MD, EMC, WEEE, RoHS, Reach...)

Background (2)

- Many HVAC products are, or will soon be, subject to mandatory **Eco-design** requirements and **energy labelling**, and in the future almost all products may become subject to such requirements, and also **CE marking**.

Are we really prepared?

- In general: **the answer is NO**
 - only a few companies put enough effort today to follow up, and very few forerunners (typically large international companies) influence actively

all others (SMEs, branch organizations, other stakeholders...) are either totally asleep, or struggle with lack of resources (expertise, money, language skill, patience...)

Risks of not being prepared

- Legislation will change “surprisingly”
 - *no extra time to cope changes, only the time which entry into force gives, i.e. only few years*
- National level of legislation is NOT enough any more
 - *European manufacturers – European markets – European legislation in minimum*
- If YOU do not try to influence legislation, others will do it, but only on behalf of themselves
 - *proper argumentation, concrete influencing, lobbying will be needed*

WAKE UP !!!!

- -> WAKE UP !! EU is here and will affect your business – even if you don't want to ***wake up and see the opportunity !***
- *be or become aware of EU regulations that your products or services are subject to (probably there are many, and still more will come soon...)*
- *Get involved in the preparation of EU regulations – in the early phases you can influence best*

Eco design of energy related products - ErP

main focus of this presentation

- Directive available and introduced at:

http://ec.europa.eu/energy/efficiency/ecodesign/eco_design_en.htm

See also REHVA webpages / EU regulations:

<http://www.rehva.eu/en/eu-regulations>

<http://www.rehva.eu/en/eco-design>

Other useful websites

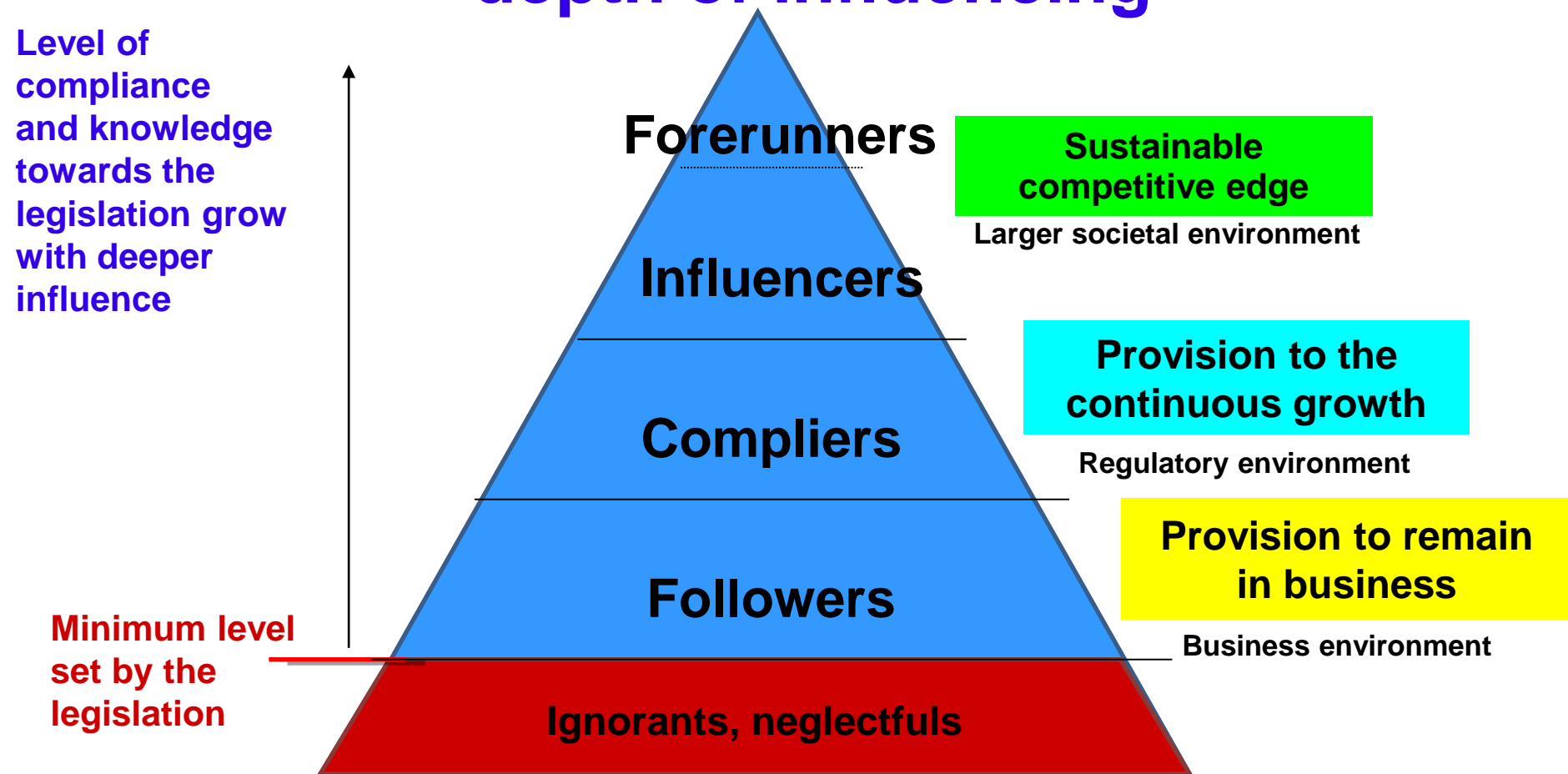
<http://ekosuunnittelu.info> (Tukes; in Finnish)

http://www.eceee.org/Eco_design (ECEEE, in English)

Ecodesign - ErP

- Regulations published (examples)
- *-Electrical motors – published 2009, first requirements in force 2011 – more stringent to enter 2015 and 2017*
*forerunners advertise now like **”our motors fulfill the 2017 requirements already now”***
- *-Fans (125 W ... 500 kW power input) published 2011, first requirements into force 2013, more stringent 2015*
- *-Pumps, circulators*
- In preparation: boilers, water heaters, ventilation and air conditioning units, local and central heating products ...

Differentiation – depth of influencing



What can be done?

- Actions for closer **collaboration** between stakeholder groups (manufacturers, branch groups, legislators, market surveillance...) - both on national and European levels.
- Branch organizations can provide discussion forums (but need more resources, too)
- ***GET INVOLVED IN STAKEHOLDER PROCESSES***
- *Follow up regularly information pages (see slide 8)*

Collaboration to influence

Confederations
(EU , national)

Federations

Branch groups

Enterprises
Supply chain

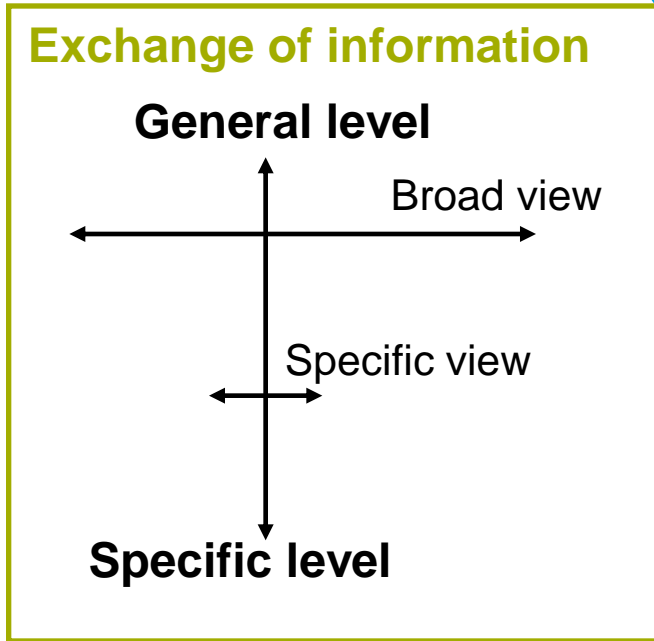
Exchange of information

General level

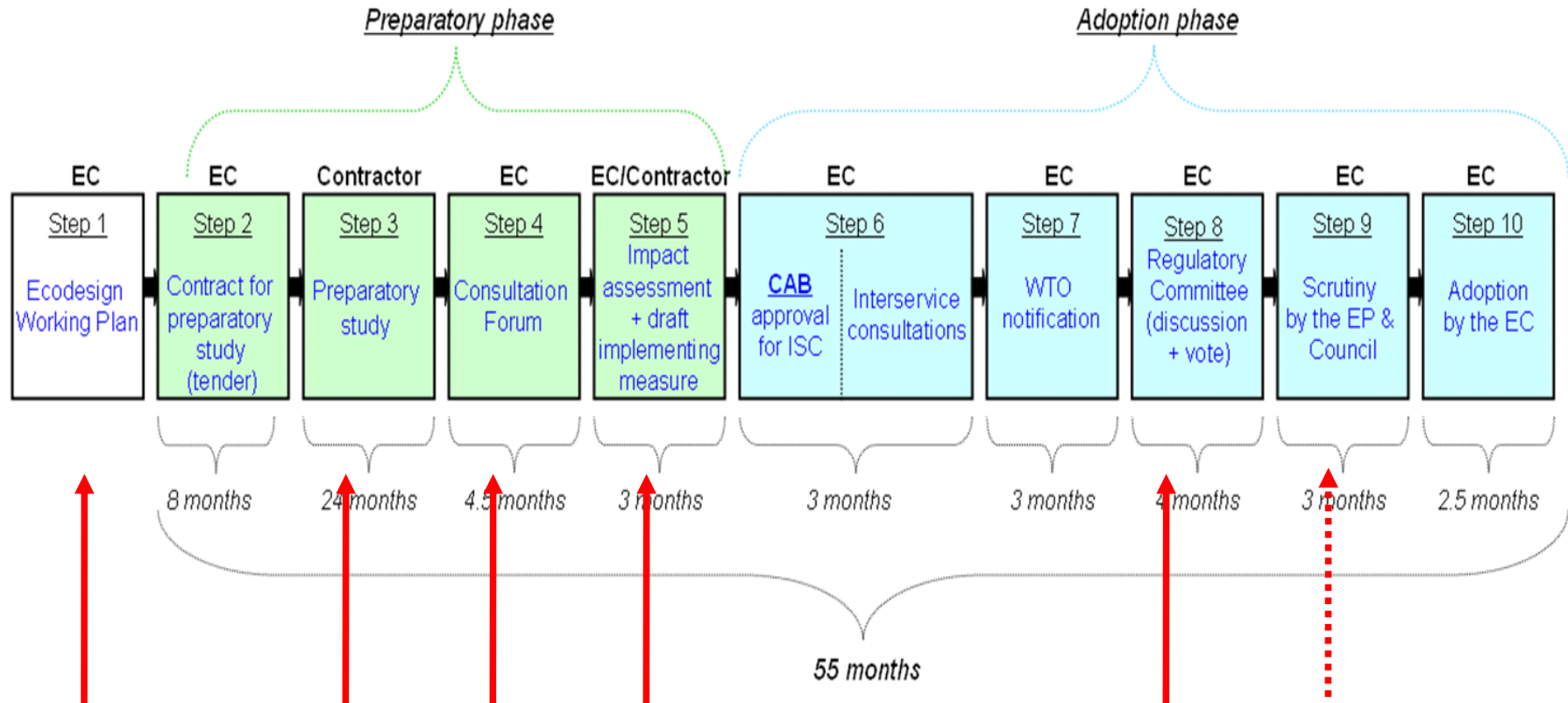
Broad view

Specific view

Specific level



You can influence almost throughout the process



Participate in the stakeholder process

- duration 55 months, in practice typically 1-2 years more -> new regulations do not “just suddenly appear”
- Direct participation also possible, but co-operation with other stakeholders possible, too – or influence through or together with branch organizations (EU and/or national)

source: Technetium Consulting Oy

EU Energy label and Ecolabel

ecodesign – energy label – ecolabel

