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“Report of the business survey of key sustainable development competences, knowledge and skills in working life – implications for Higher Education”

Klaus Wagner, Jannie van der Luit, Corinne Stewart

Building the bridges between Higher Education and employment

- Implementation of Education for Sustainability (EFS) requires sustainable development-related **competences, knowledge and skills** identified by employers.
- **Not** available in the European or international context.
- Developing and exchanging thinking and practice on SD **in teaching**.
- Identifying the SD-related competences, knowledge and skills required by the **European workforce**
- Higher Education must **adapt their curricula**.

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- “ISLE Professional Practice and Sustainable Development” surveys in 2012

Sustainable Development : an employers' perspective



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Contents of the report

SD: an employers' perspective

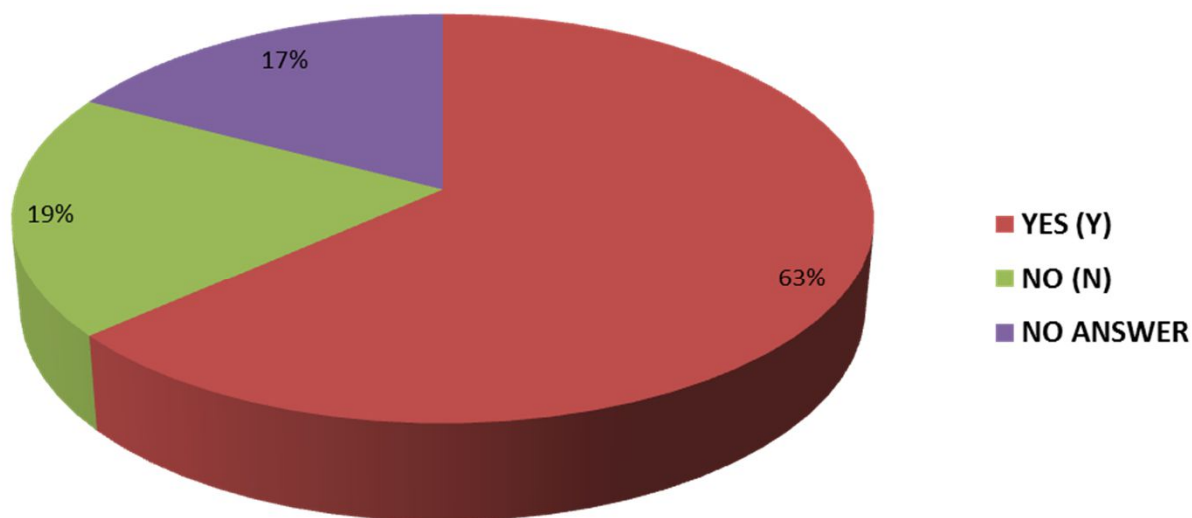
- Why is there a need for EFS?
- Framework and methodology for the surveys
- Results: SD in HEIs, SD in Companies... combined data
- What are the competences, skills and knowledge needed?
- Does Education meet the market needs and vice versa?

Sustainable Development, an employer's perspective

- **HEI survey (students, academics, institutional) to:**
 - * Clarify the needs of the labour market for SD competences, knowledge and skills ;
 - * Adjust the content of Higher Education programs in Europe
- **Company survey to:**
 - * Identify the SD competences, knowledge and skills
- **Statistical analyses, combination of HEI and Company results**

Some examples of replies company survey

Is SD an issue in your company/organization?



“Professional Practice and Sustainable Development”- Company SURVEY



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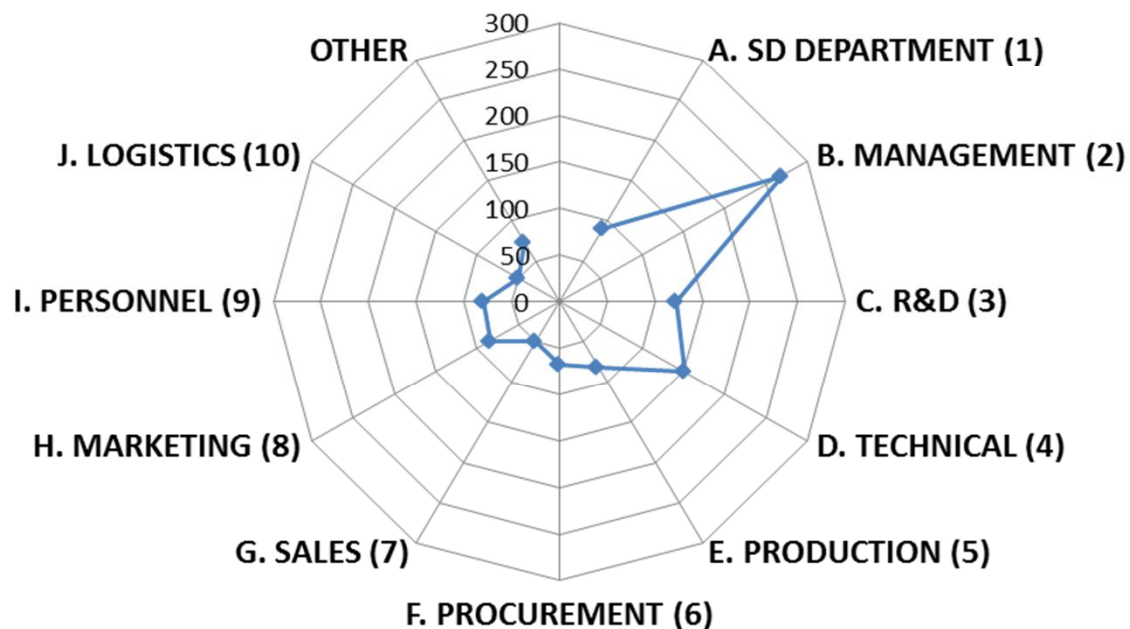


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11.1.3. Which departments are involved in executing SD policies?

(Choose from list, more than 1 answer is possible)



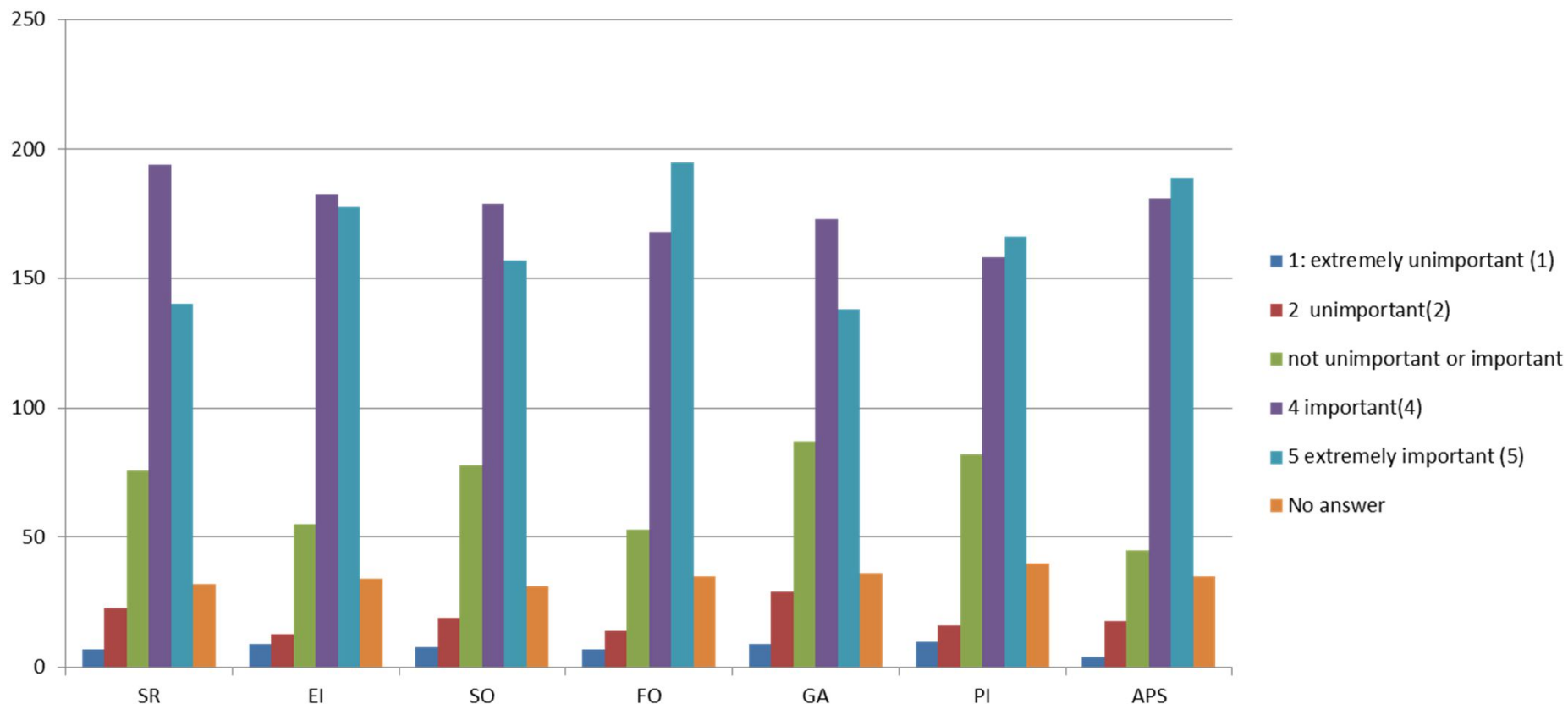


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General SD Competences: Social responsibility/ Env.intel. & com; Syst. org/Future or.g/Global aware/pers. Involv./ act.& pract.skills





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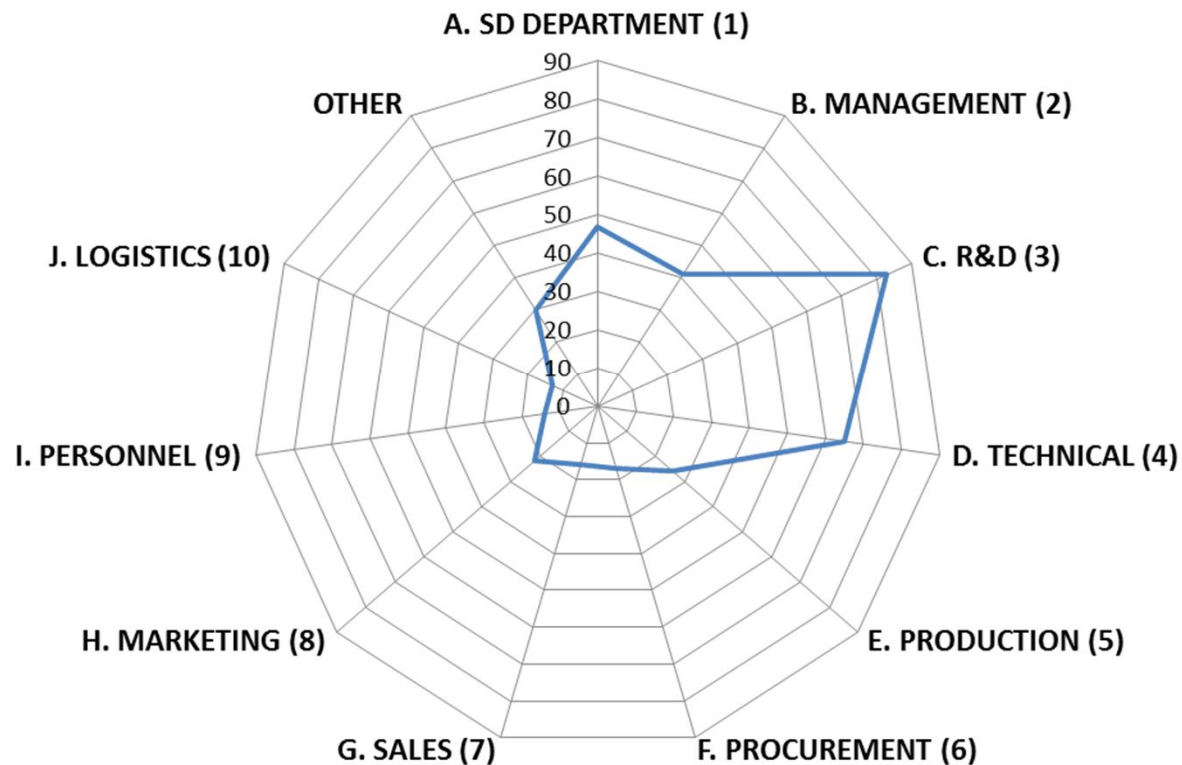
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Departments in which new jobs are expected to be created



Results in general - Companies

- For most companies SD is an *issue* in their organisation
- 2/3 of the companies prefer employing people with *practical experience* in SD
- A low rate of companies apply **SD standards** or guidelines (< 45%) – more apply internal standards and ones focused on environmental impacts only

Results in general - Companies

- Standards are a **means to implement** SD in companies
- SD as inherent **competence** in various present actual jobs - less as creation topic for future new jobs
- SD empowers **cooperation between** companies and HEIs
- Strengthening the **knowledge system** enables to adopt sustainable working methods in daily working life

Conclusions

- Many companies take SD into consideration but few actually have an SD Manager:
 - “Today, the essential **competences** are the ability to plan for durability and the ability to integrate SD into all aspects of a problem”
 - “The skills looked for during hiring are **crossed skills** of project management in order to deal with tough problems”

Hence the importance of **interdisciplinary** Education for Sustainability.

Conclusions

- Important issues *for companies* include : Energy efficiency and waste reduction;
- Special need for knowledge in the environment, natural resources and ecological integrity
- Requirement for skills including efficiency, leadership, sustainability planning, effective communication, analyses of environmental problems, systems thinking...
- Future orientation and social responsibility are considered most important competences

Recommendations for HEIs – Tailoring study programmes to labour market needs..

By increasing the importance of all learning outcomes pertinent to SD:

- Ethical, social responsibility;
- Knowledge on sustainable use of natural resources;
- Understanding of the relationship between human activities and the environment

& Empowering HEI / Company cooperation

- Providing quality practical experience in SD
- Involvement of companies in HEI curriculum development & delivery

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- Publication available for free:

http://www.agraroeconomik.at/index.php?L=1&id=apzussfass&SELECTPRO_PUBID=2560

- ISLE Association:

<http://isleassociation.wixsite.com/sdnetwork>

