



The Potential of Eco-Procurement in Europe Results of latest research

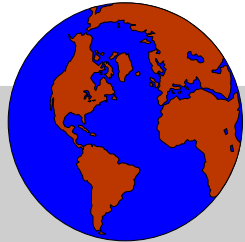
**Konrad Otto-Zimmermann
Secretary General
ICLEI - Local Governments
for Sustainability**

Structure of the presentation

- What is ICLEI?
- Quantifying environmental benefits
- Five products: How much is possible, what is the state of play?
- Conclusions



ICLEI - Local Governments for Sustainability



World

460 members
in 65 countries

12 offices

Toronto, Freiburg,
Rio de Janeiro, Seoul,
Johannesburg, Tokyo,
Melbourne, Berkeley,
Manila, New Delhi



Europe

180 members
in 28 countries,
15 capital cities,
14 associations of
municipalities

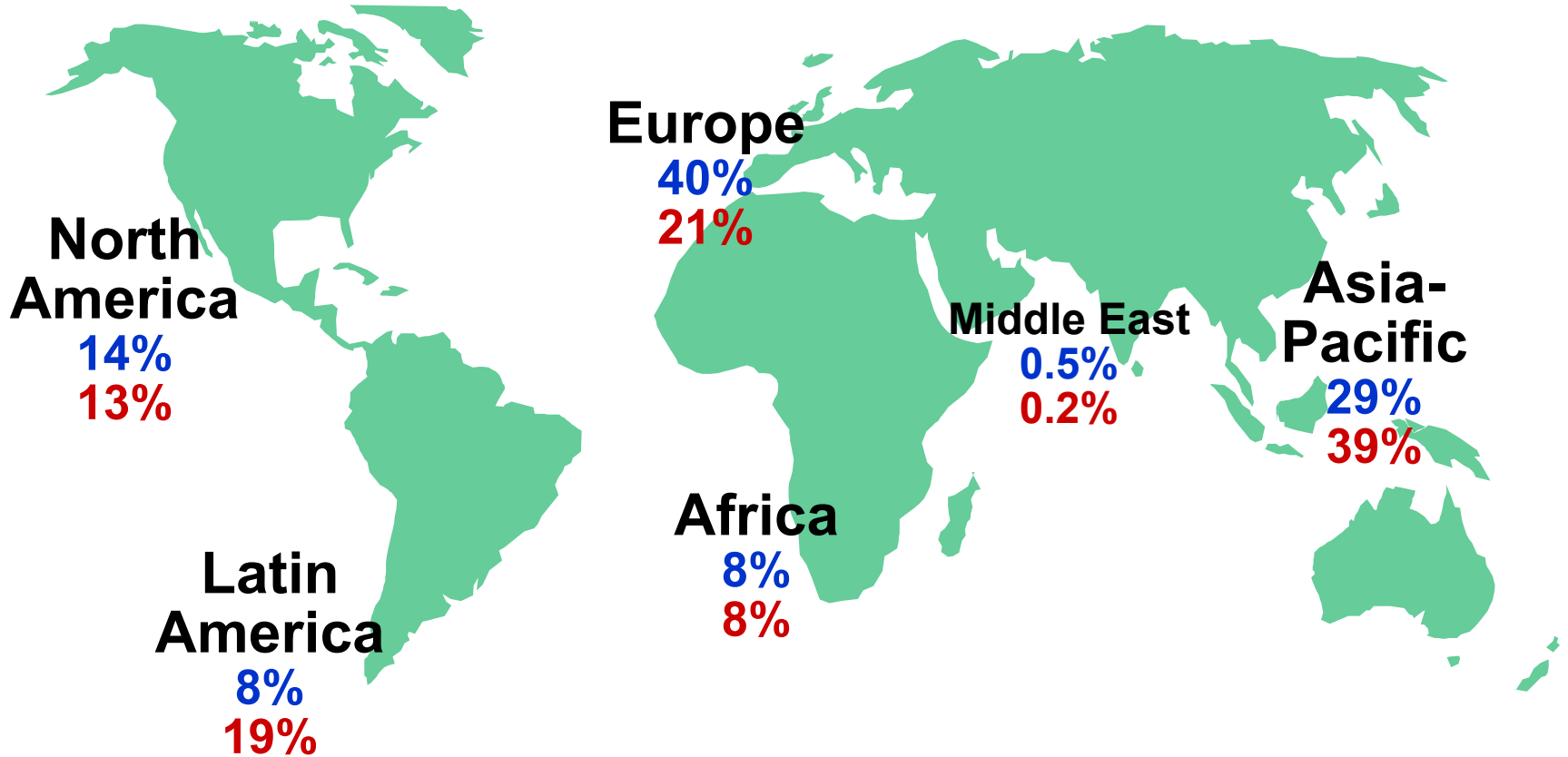
European Secretariat

Freiburg, Germany

Global representation of Members

Number of Members

Population represented by Members



Rio 1992

Local Agenda 21

Johannesburg 2002

Local Agenda 21
Action

Creating sustainable communities & cities

Viable local economies

Peaceful & secure communities

Resilient communities

Eco-efficient cities

Securing unwavering implementation

Governance Principles

Policies & Practices

Mechanisms

Protecting Global Common Goods

Climate & Air

Water

Soil & Food

Bio diversity

Health

Local Agenda of 21 continues-
Local Action of 21 guides The
stage of implementation

Creating Sustainable Communities & Cities

Viable local economies

Peaceful & secure communities

Resilient communities & cities

Eco-efficient cities

Local Agenda 21 Action ICLEI Programs

Securing Unwavering Implementation

Participatory Governance/ Local Agenda 21 Planning

Sustainability Management Program

Sustainable Procurement Campaign



Protecting Global Common Goods

Cities for Climate Protection Campaign

Local Government Water Campaign

Local Biodiversity Program

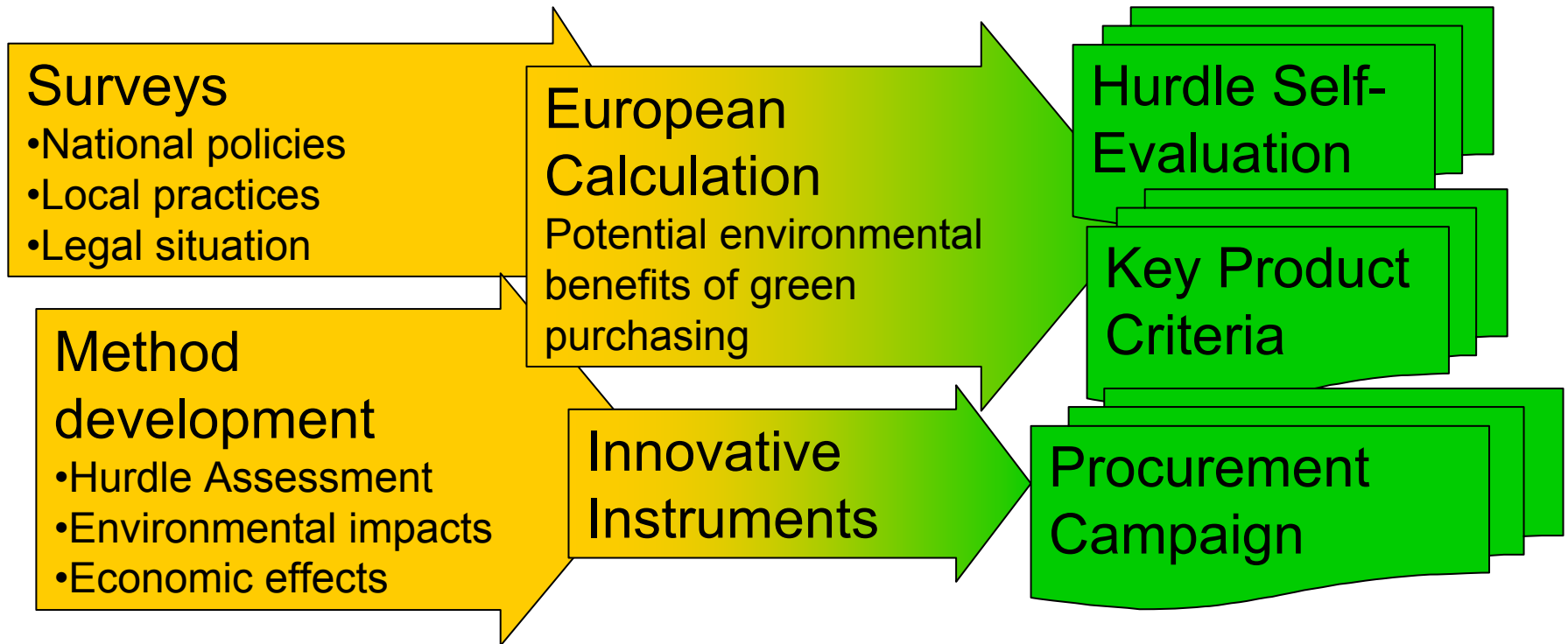
Local Soil Protection Program

Healthy Cities (WHO)

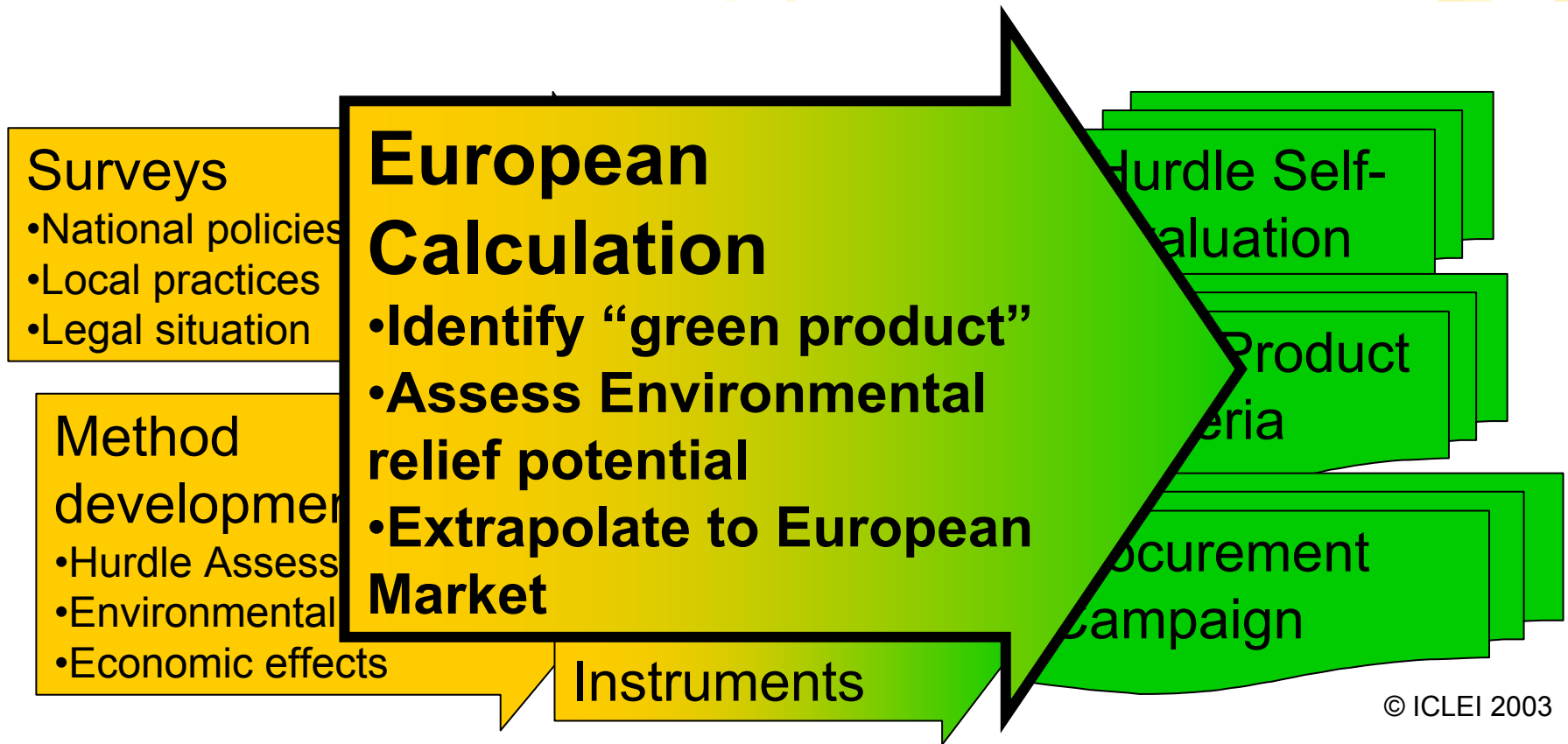
The RELIEF project



Supported by the European Commission
DG Research, Key Action „City of Tomorrow“



The RELIEF project



Identifying Products and Specifications



- Electricity from renewable sources
- Food from organic agriculture
- Buses with clean motor technology
- Computers with low energy use
- Sanitary devices with low water use
- Buildings with high insulation standards

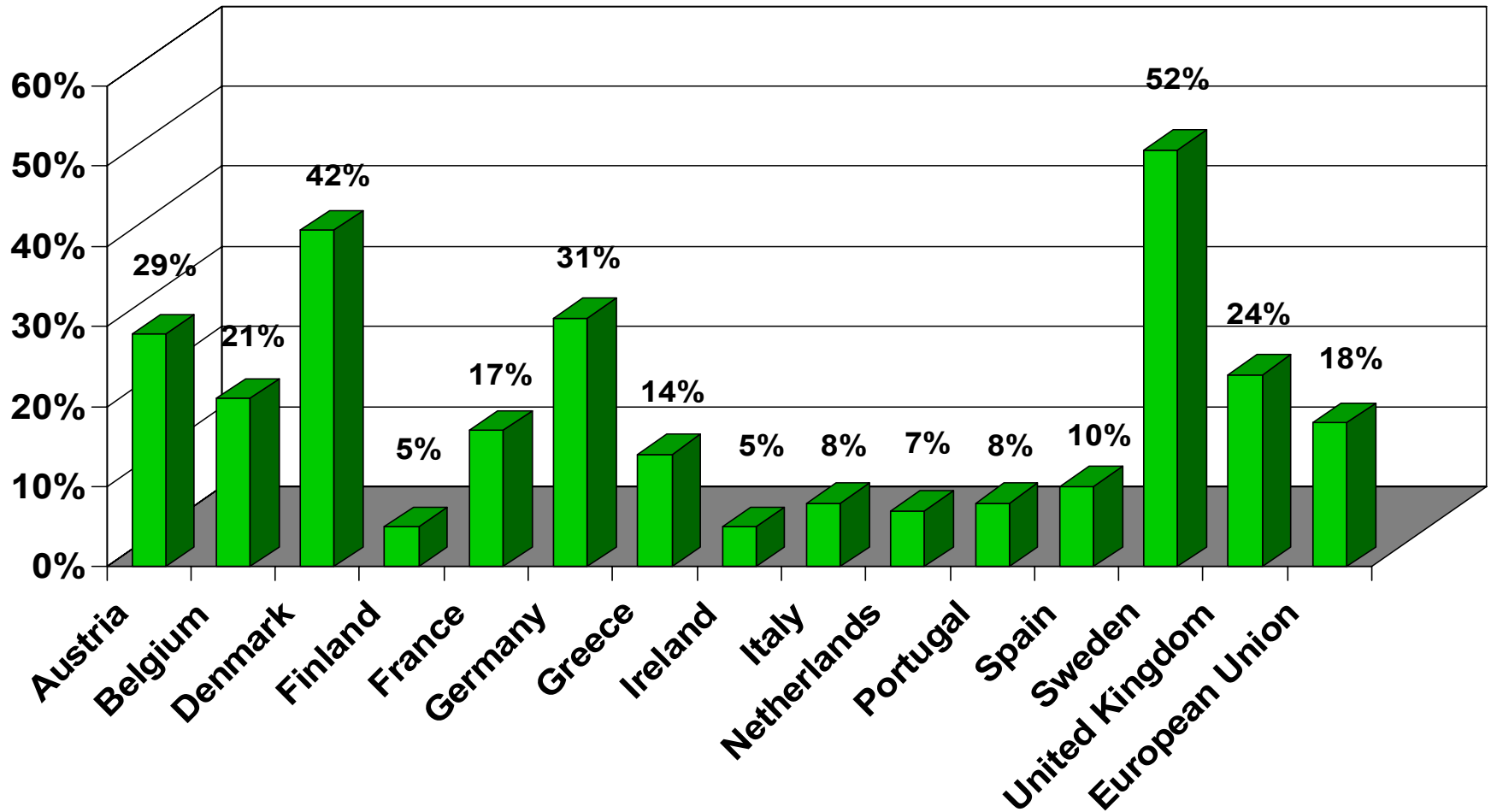
Units sold in Europe

Product	Functional Unit	Europe	Public Sector
Electricity	Annual Consumption (GWh)	2,232,669	148,460
Desktop Computers	Number of annually purchased computers (replace frequency 5 years)	27,431,912	2,834,281
Milk	Annual consumption (1000 kg)	114,737	6,253
Vegetables	Annual consumption (1000 kg)	55,386	3,019
Meat	Annual consumption (1000 kg)	31,640	1,724
Wheat	Annual consumption (1000 kg)	90,389	4,926
Sanitary devices	Annual number of toilet and washstand uses	-	36,268,102,900
Busses	Lifetime distance travelled by annually purchased busses (km)	30,957,000,000	7,429,680,000

Translating results to „person equivalents“

- Average impact per person
 - Greenhouse: 8.2 tons CO₂-equivalents (global)
 - Trop. Ozone: 25 kg C₂H₄-equivalents (EU)
 - Acidification: 74 kg SO₂-equivalents (EU)
 - Nutrifcation: 119 kg NO₃-equivalents (EU)
- This is one „person equivalent“

EU survey: Administrations applying green criteria



More results from Survey



- Survey directed detailed questions to authorities active in green purchasing
- Which criteria are applied to which types of products?
- Answers are not representative for all authorities, but a snapshot of 200 active authorities

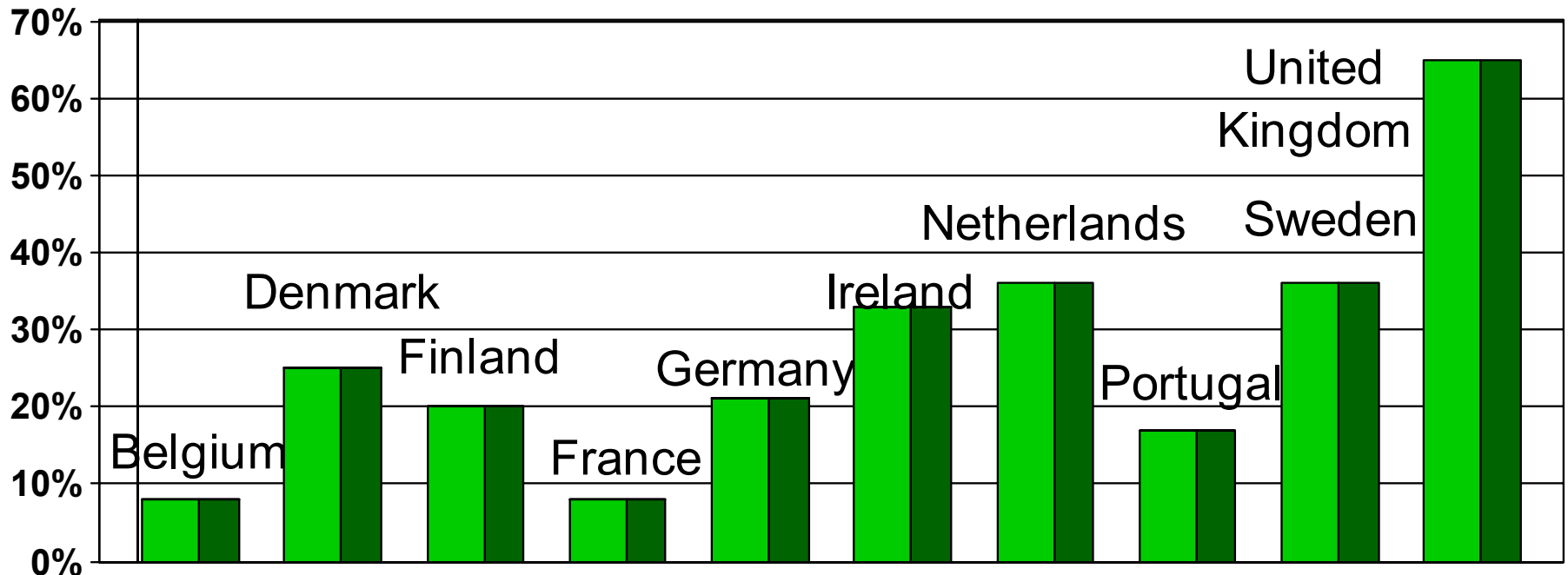
Summary of results



- Following slides combine
 - selected RELIEF results
 - Results from EU Survey on different countries
- For Electricity, Food, IT Equipment, Buses and Buildings

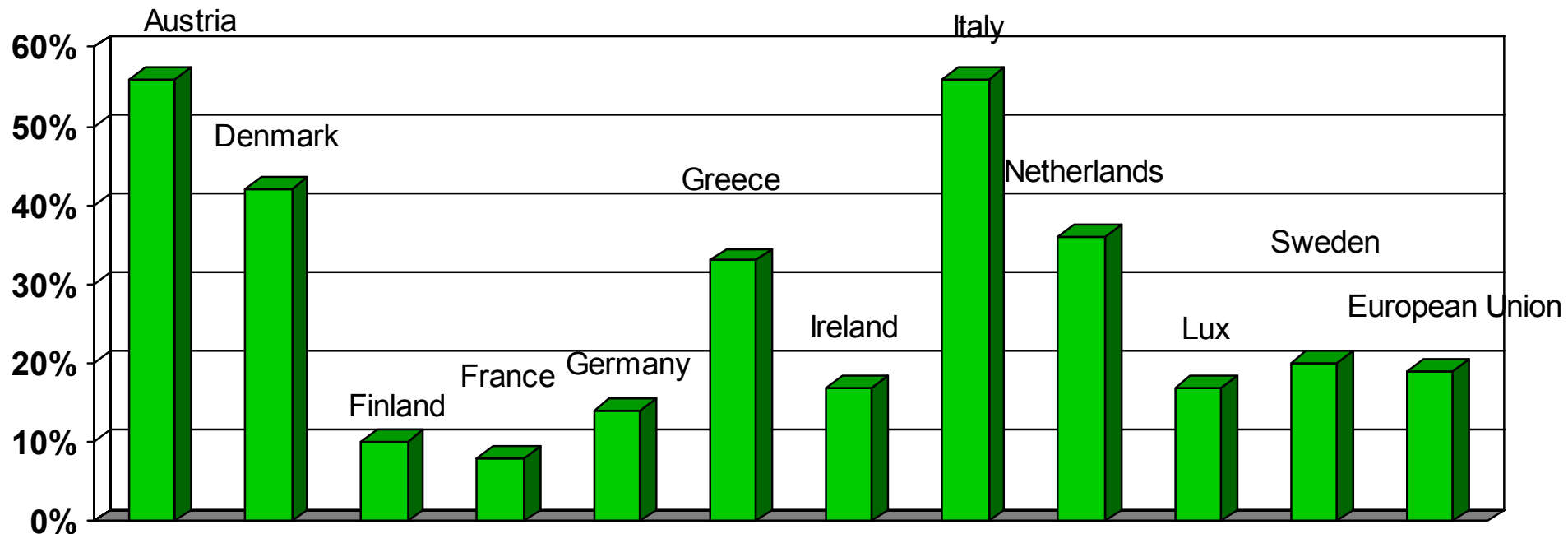
Green Electricity

- Savings of 60 Mio t CO₂-equiv. (7,5 Mio person equivalents) which equals 18% of EU Kyoto commitment
- Share of active authorities, that buy green electricity



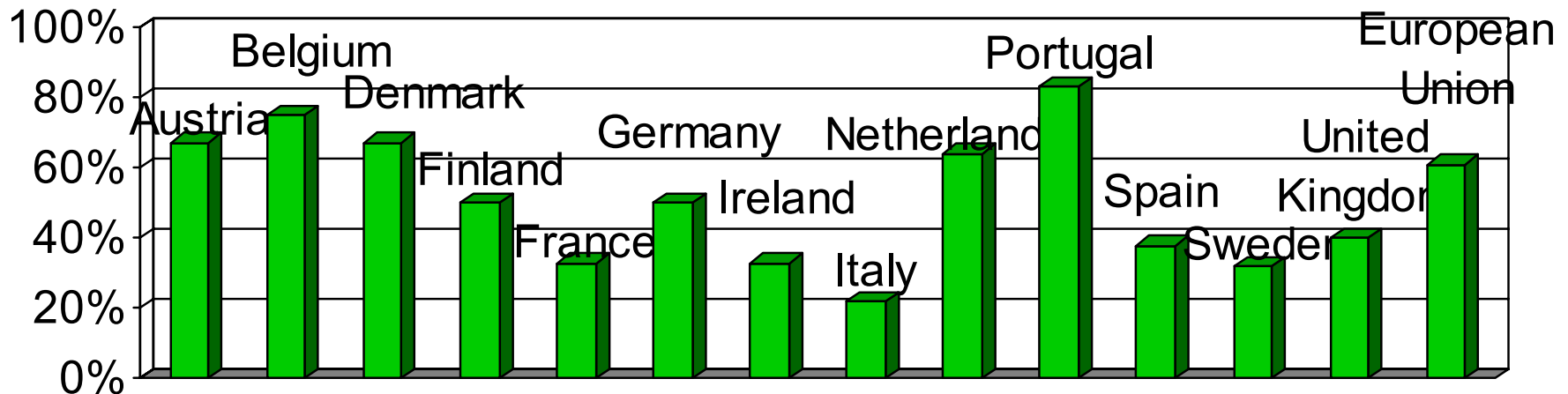
Food procurement

- Buying organic food provides huge greenhouse gas reductions (400,000 PE) but even higher benefits by reduced nutrification (2,200,000 PE)
- Share of active authorities, buying organic food



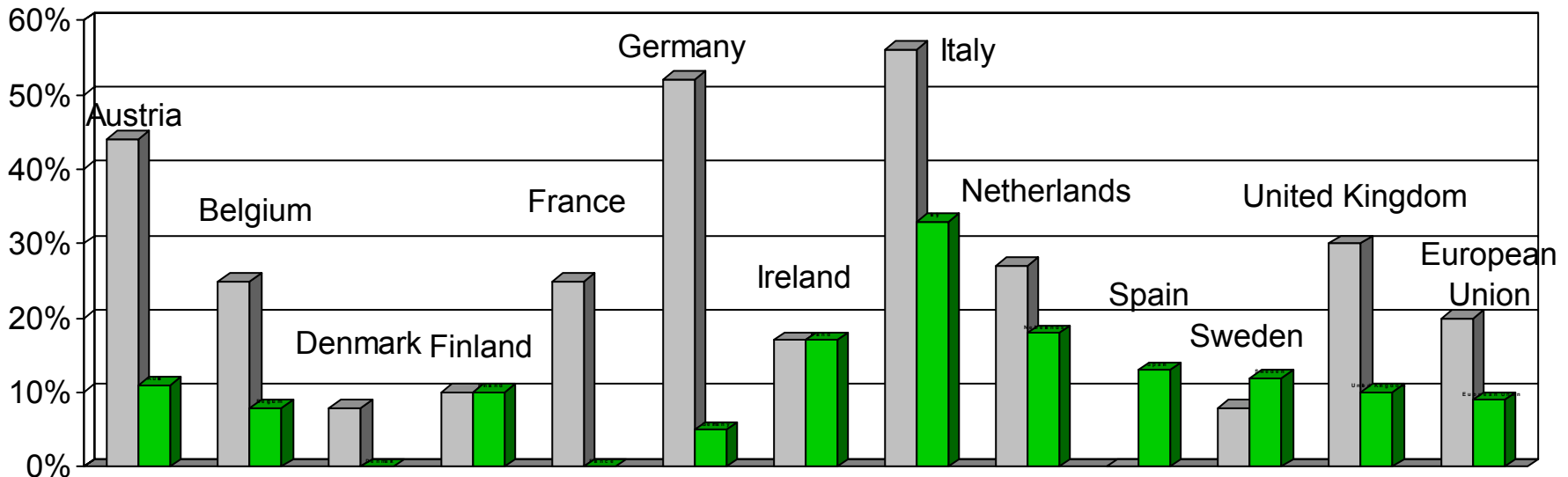
Information Technology

- Public Procurement buys 2,8 million computers annually, 12% of market
- Impact can be expected on whole computer market, resulting in CO2-savings 980,000 PE
- Share of active authority applying Stand-By Criteria on computers (not active mode)



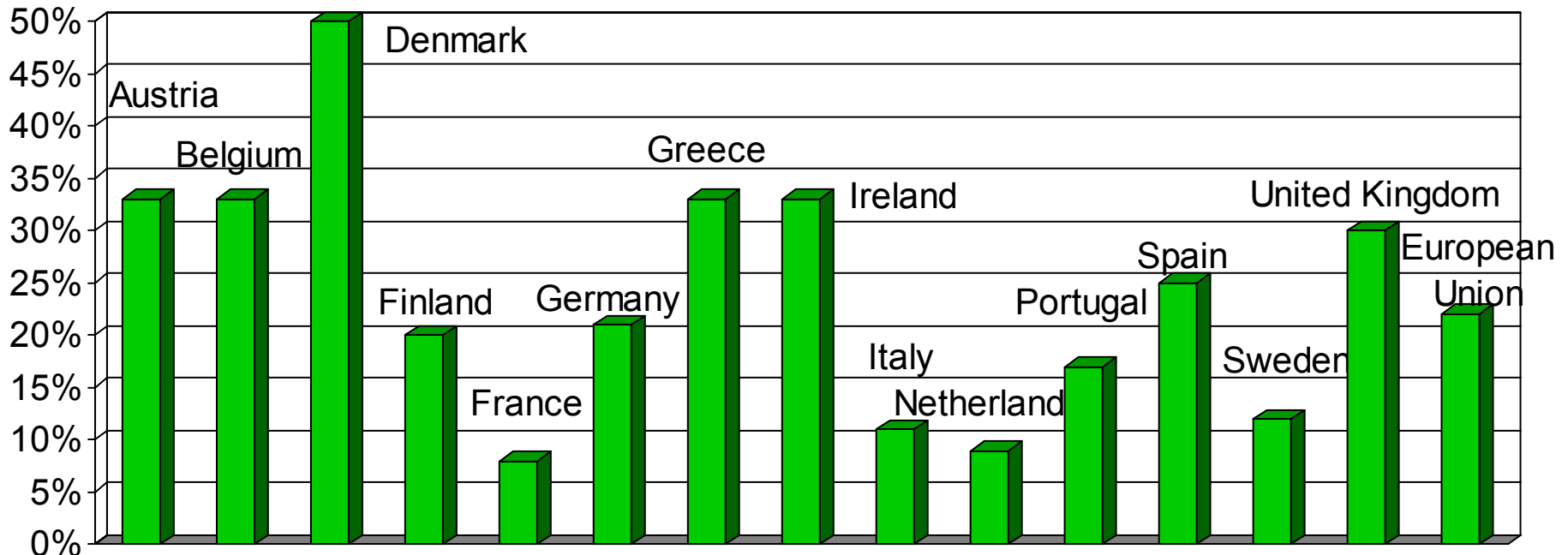
Buses in public transport

- Annually more than 7,000 buses bought by public authorities (25% of market)
- Switching from EURO II to EURO IV would save appr. 150,000 PE in photochemical ozone, acidification and nutrification, higher effects for EURO V
- Share of active authorities buying EURO III (grey) or EURO IV (green)



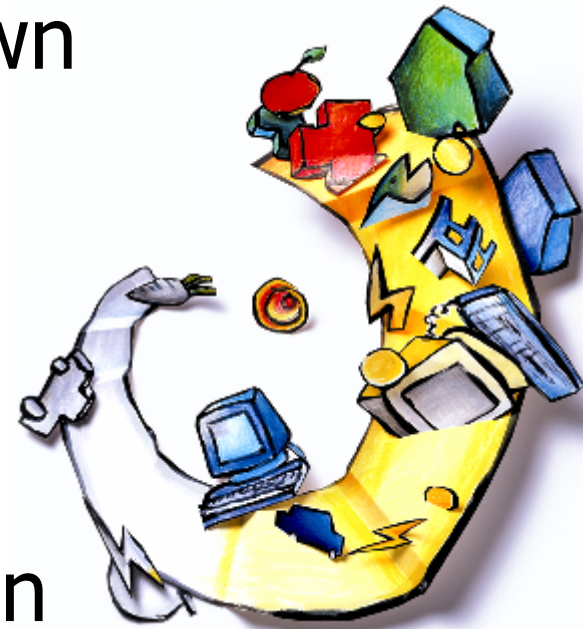
Building insulation

- Increasing standards in building insulation, for Germany alone 1,8 Mio PE on greenhouse gases
- Share of active authorities with insulation standards higher than legislative standard



Conclusions to be drawn

- Huge environmental relief potentials to be tapped, but hardly known
- Implementation only in some pioneer cities, large-scale implementation needed
- For this purpose, ICLEI developed Procura+ Campaign concept



Approach by Procura+ Sustainable Procurement Campaign

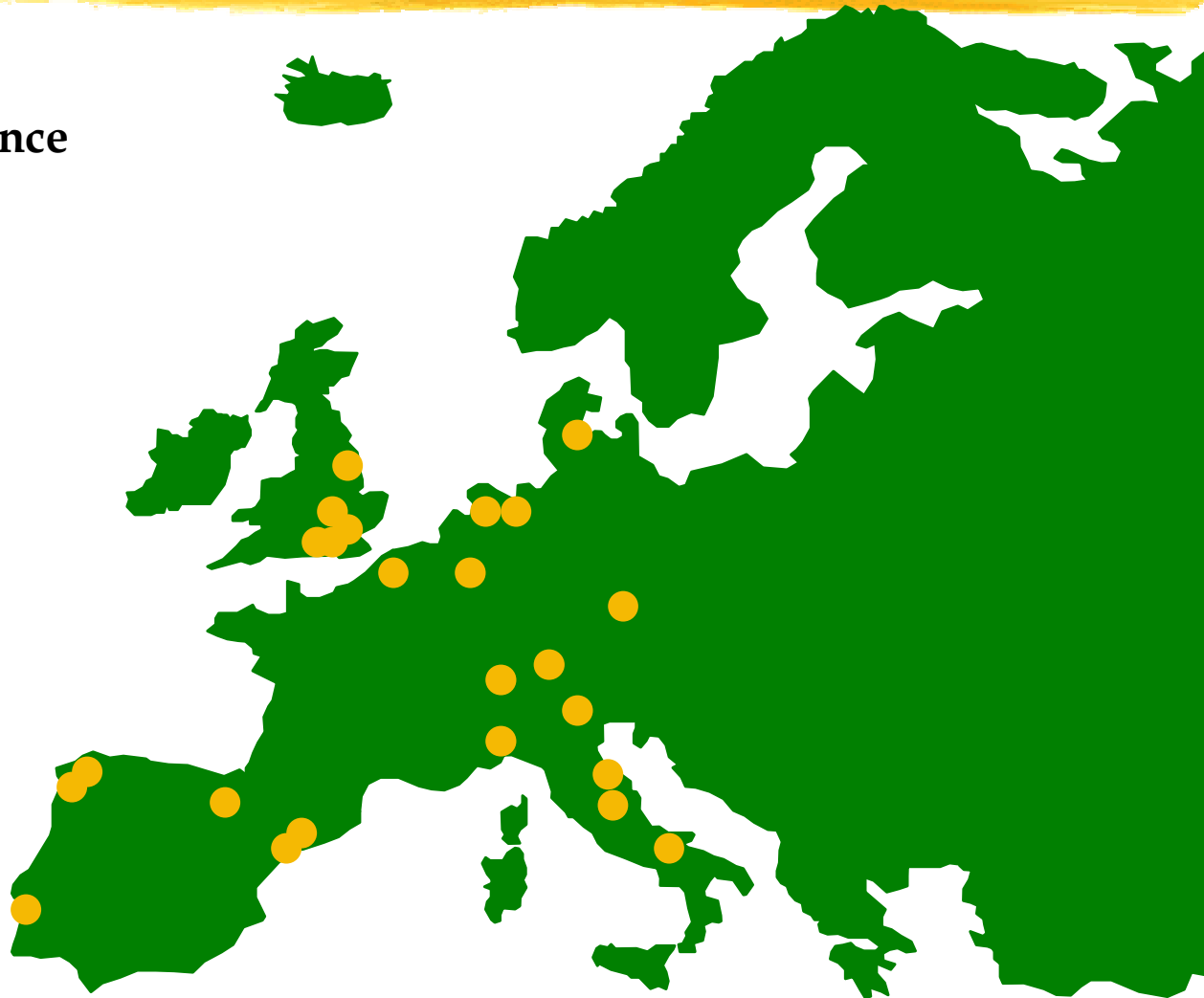
- Political awareness raising and commitment
- Procura+ criteria to be used throughout Europe
- Milestone process based on „plan, do, check, act“ approach to enable gradual implementation
- Financially neutral: More environmental protection for the same money spent
- Joint procurement activities on European Internal Market

PROCURA+
SUSTAINABLE
PROCUREMENT
CAMPAIGN



Procura⁺ Participants

Almada
Amurrio
Barcelona, City and Province
Badalona
Cremona, Province
Culleredo
Emilia Romagna, Region
Ferrara
Guildford Borough
Kolding
Lille
London, Islington
Newcastle
Toscana, Region
Ravensburg
Sesto San Giovanni
Suffolk County
Surrey County
Torino, Province
Utrecht, Province
Vigo
Zürich



More information



- www.iclei.org
- www.iclei.org/procurement
- www.procuraplus.org