

Mitigation of environmental impact caused by **Flame Retardant textile finishing chemicals**

Brussels, 16th January 2018

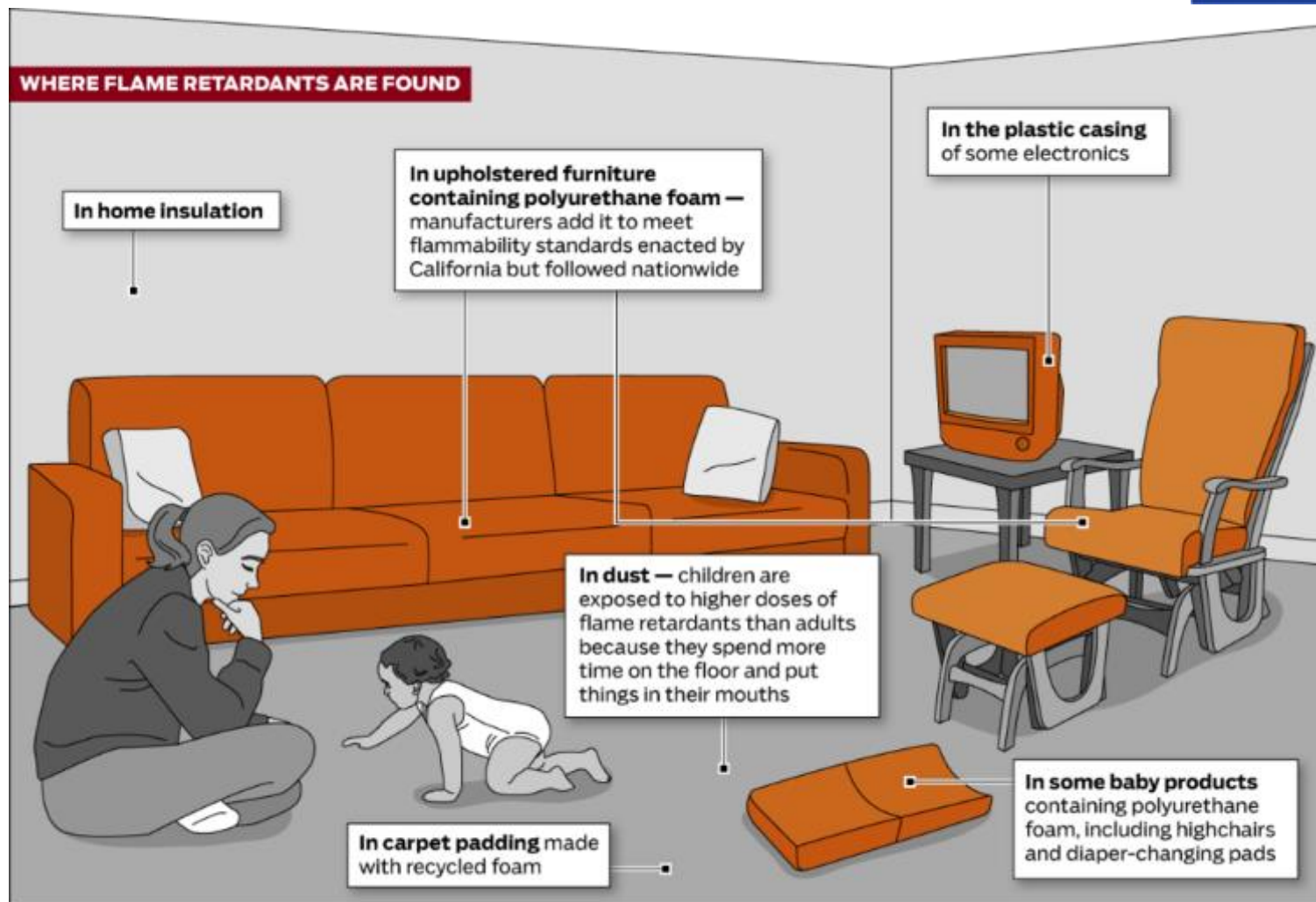
Coordinating
partner:



Beneficiary
partners:



LIFE-FLAREX is a project co-funded by the European Union under the LIFE+ Financial Instrument within the axe Environment Policy and Governance and under the Grant Agreement n. LIFE16 ENV/ES/000374



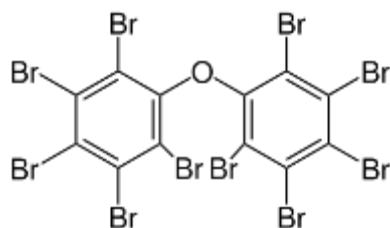
SOURCES: EPA, Tribune reporting

KATIE NIELAND/TRIBUNE

Flame retardants are needed



Some flame retardants
are **HARMFUL!**



Others are **UNCLEAR** yet





We are committed to a safer and more sustainable world

Are you? 

>20% reduction

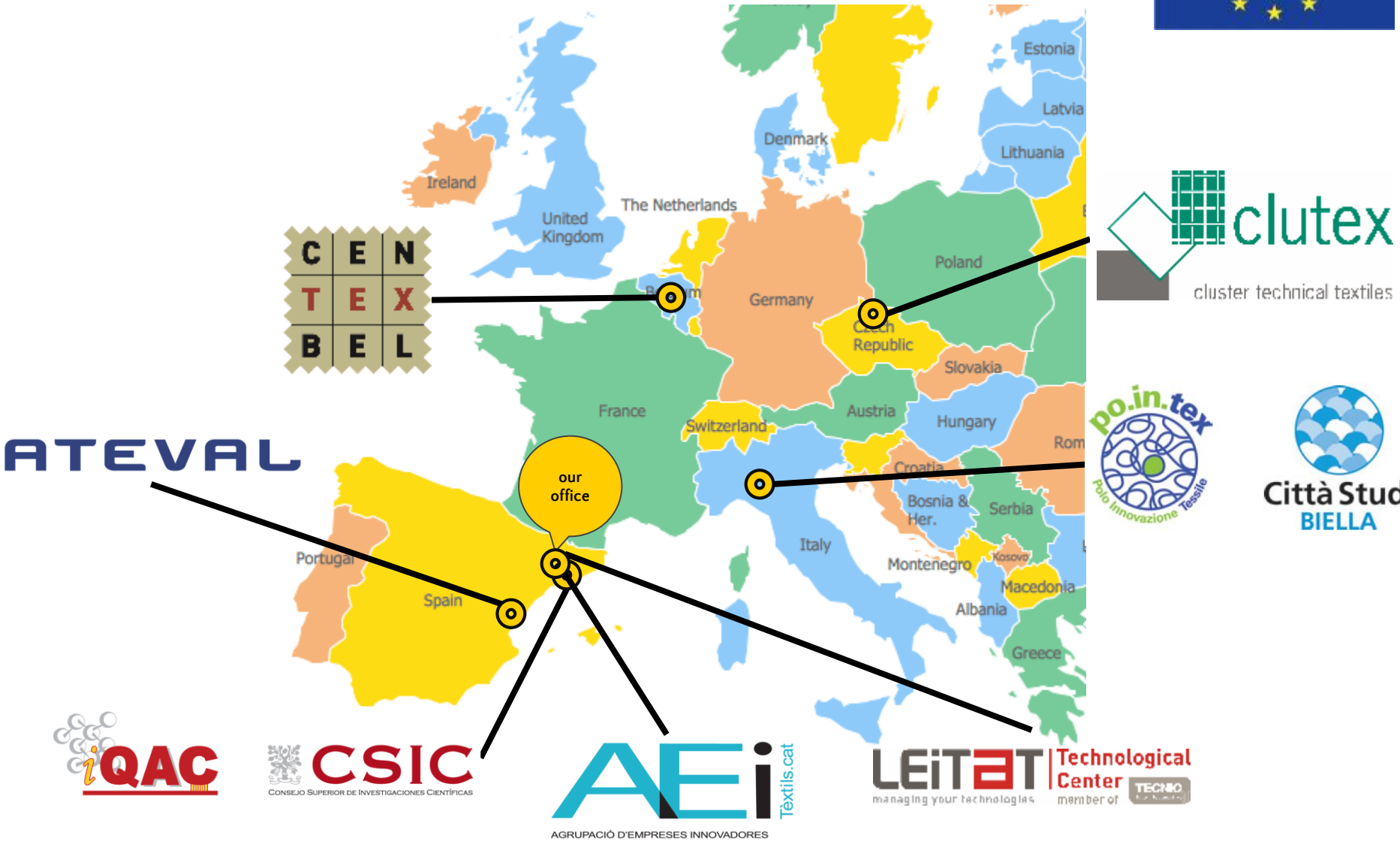
of tonnage use of **harmful** flame retardant compounds

100%

Commitment to success and
to environmental sustainability!



PROJECT CONSORTIUM



ATEVAL





- To apply the substitution principle to FR chemicals
- To demonstrate and evaluate suitable FR alternatives
- To encourage the substitution



- R&D project

We will not develop new FR
We are not your competition

- Promoting any ban

We are not fighting anyone

- Demonstration and validation project

We will evaluate solutions in the market or close to market
We are your allies

- Promoting green solutions

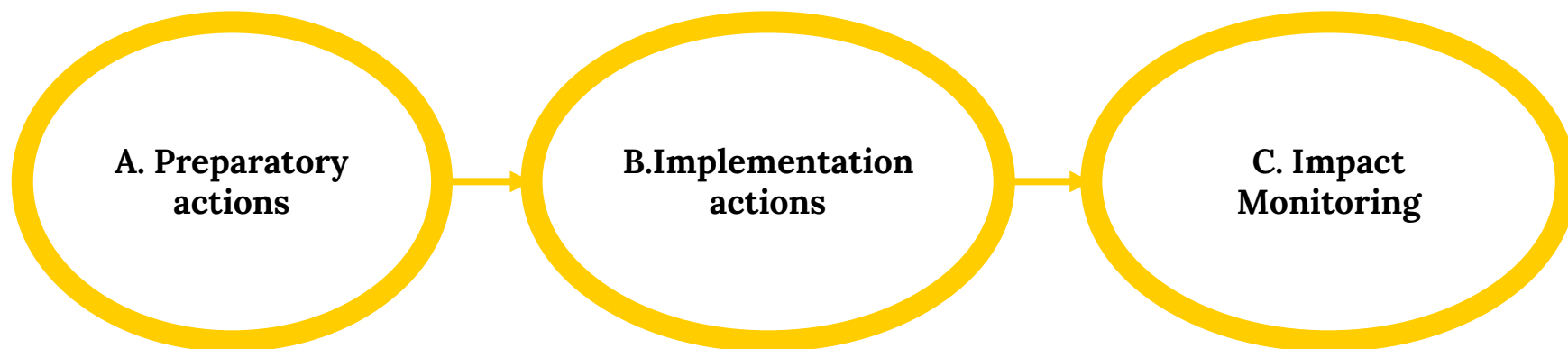
We want to promote substitution toward greener solutions

We want to help you
market green FR
solutions

ket or

S

ward





Preparatory and implementation actions

◎ Selection of FRs and fabrics

With the participation of industrial SME several FRs and alternatives will be selected for pre-screening of functionality and environmental impact on several fabrics

◎ Industrial demonstration

Material processing will be tested using the selected FRs under pre-industrial and industrial conditions involving manufacturing SMEs through workshops and on-site pilots



Selection of textiles and finishing, demonstration of alternative FR and workshops, risk assessment, LCA & roadmap



Impact monitoring

○ Risk assesment

Exposure
 Toxicity
 Environmental
 assessment
 Life-cycle assessment

○ Monitoring

Environmnetal impact
 Socioeconomic impact
 Stakeholder engagement

○ Recommendations

Best practices
 Policy recommendations
 REACH annexes proposals



Policy recommendations, impact monitoring on environmental, socio-economic and cost efficient replicability





Lets
**work
together**

for a safer and greener future



Thanks!

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Coordinating
partner:



Beneficiary
partners:



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