



International  
**Antimony** Association



# ANTIMONY : KNOWN OR UNKNOWN?

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# i2a Overview

- ❑ i2a = International Antimony Association vzw (non-profit association, based in Brussels)
- ❑ Mission = gather, study and disseminate information on the safe use of antimony and antimony compounds, especially with regard to the relevant EHS regulations
- ❑ Membership (<http://www.antimony.com/en/members.aspx>):
  - 38 full members (manufacturers, traders and users from US, Europe, and Asia)
  - 6 associated members
  - number constantly growing=> Chemtura is a board member of i2a



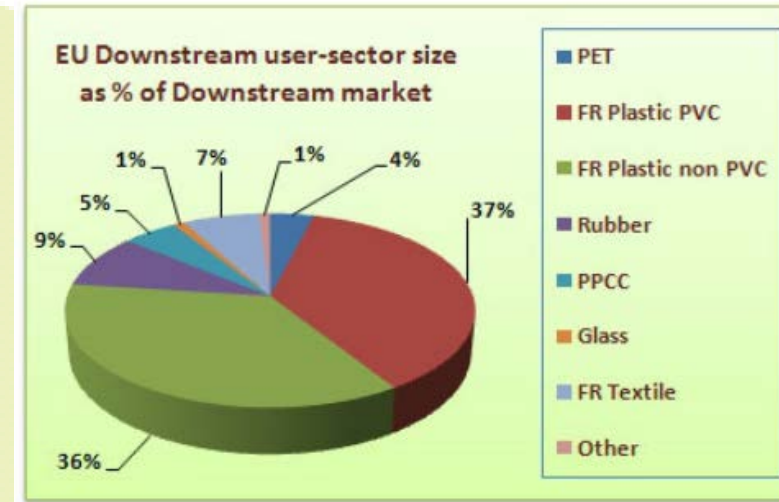
# Members location: 44 Worldwide



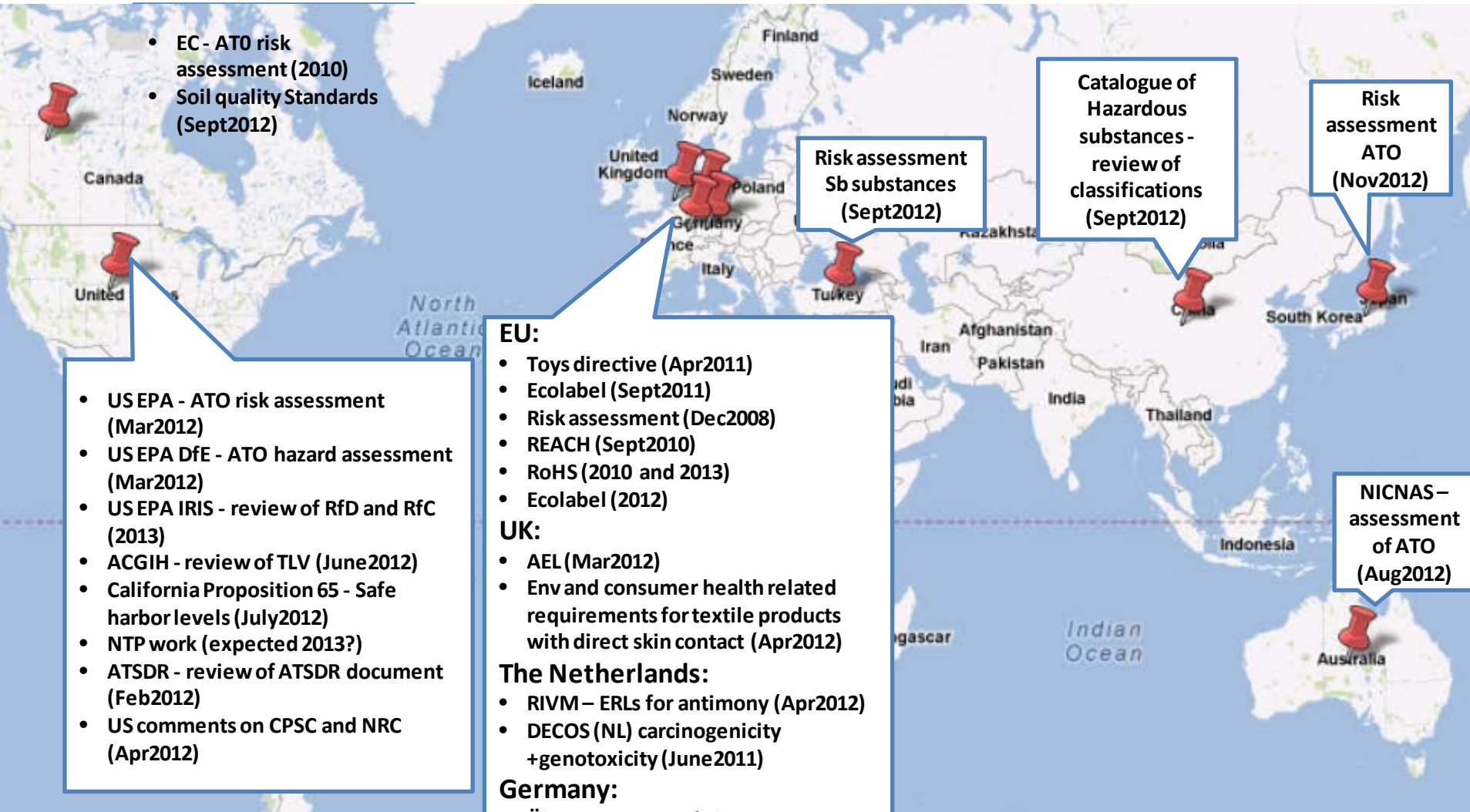
# Antimony industry = 'small' industry

## FACTS and FIGURES:

- ❑ Global Sb supply 2012:
  - primary Sb supply ~140,000 T
  - secondary Sb supply ~40,000 T
- ❑ Antimony trioxide is the main Sb compound: ~130,000 T in 2012
- ❑ >80% of Sb compounds used as flame retardant synergist in plastics, textile...
- ❑ i2a members spent ~6M € on EU-Risk Assessment and EU-REACH



# Mapping worldwide EHS initiatives



# Use of Sb substances is safe

- ❑ **EU-REACH:** 8 Sb substances successfully registered
  - no scientific restrictions to their continued production & use
  - uses pose NO RISK for consumers or environment
- ❑ **Worldwide assessments of ATO:** proven safe for use; publically available on the internet
  - EU Risk Assessment Report & OECD-SIAP review (2008)
  - Canadian (2010), Dutch (2011) & US EPA review (finalized in 2013?)

***Sb compounds perform well in their applications.***

***No scientific reasons to replace Sb compounds.***

*For more information please check the website:*

[www.antimony.com](http://www.antimony.com)



# Question 1

## Many assessments ATO worldwide existing today

### ➤ Assessments (eco-)toxicology:



### ➤ Ongoing/planned work: US NTP 2-yr ATO inhalation study, ACGIH review, IRIS review...

### ➤ Why/how does the same substance get picked out over and over again for toxicology screening?

- Can/NL/US/Japan... experts have reviewed OECD-SIAP in 2008 and signed MAD-agreement
- No additional relevant scientific info has become available since



# Question 2

## Data sharing – data protection

**EU:** underlying principle REACH = no data-no market! only registrants (= data owners/holders) legitimate access to EU market

vs.

**USA:** US-EPA needs the data once, doesn't matter who provided and/or paid for them

- i2a provided data in name of its members to foster continued good cooperation with US EPA
- The US system allows a 'free ride' for some companies
- **How can this be overcome?**





# contact details

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