



Looking Over the Horizon to 2012 and Beyond

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Destination: 2020

What We Want? To achieve objective of the Strategic Approach to International Chemicals Management

- *Sound management of chemicals so that chemicals are produced & used in ways that minimize significant impacts on human health and the environment*

How Will We Get There? By building off data generation & risk assessment over the next ten years

Global Chemicals Management Overview

SAICM

(UNEP; 2006, 2009, 2012, 2015 & 2020)

- Global Regulatory Framework (somewhat REACH-Like)
- Precautionary
- Product Substitution
- Product Deselection
- Product Bans

ACC RC/SOCMA ChemStewards Programs

(Product Stewardship Code; 1988→)
PS Metrics; 2008 →

GHS Program

(Regional Implementation)

Drivers

- Chemicals in the environment
 - Chemophobia
 - Bioresistance
- Health concerns
 - Children's Health
 - Endocrine
 - Carcinogens
 - Reproductive Toxins
- Biomonitoring
 - Many low level detections
 - Allegedly related to health issues
 - Trespass

CANADIAN CMP

(Reg; 2007-2020)

- Hazard
- Use & Exposure
- Risk Characterization
- Risk Management
- Several thousand chemicals

GCMP

(US-ICCA-Vol; 2002→)

- Hazard
- Use & Exposure
- Risk Characterization
- Risk Management
- Key info publicly available

HPV

(US-ICCA-Vol; 1999-2005)

- Hazard Focus
- ~2,300 chemicals

TSCA-IURA

(US-Reg; 2006, 2011)

- Volumes
- Use & Exposure
- Several thousand chemicals

VCCEP

- Risk characterization
- 23 chemicals

EHPV

(US-Vol; 2005-2010)

- Hazard
- Use & Exposure
- ~600 chemicals

GPS

(ICCA-Vol; 2012-2018)

- Hazard
- Use & Exposure
- Risk Characterization
- Risk Management
- Key info publicly available
- Several thousand chemicals

REACH

(Europe-Reg; 2010, 2013, 2020)

- Registration
- Authorization
- Hazard
- Use & Exposure
- Risk Characterization
- Risk Management
- Several thousand chemicals

ChAMP

(US EPA-2007)

- HPV; IURA Info
- Risk Char. - 2012
- ~7,500 HPV & MPV

TSCA Modernization?



Setting a Foundation – 2009

- High Production Volume (HPV) Challenge
- Publication of 2006 Inventory Update Rule (IUR) information
- Voluntary Children's Chemical Evaluation Program (VCCEP)
- Extended HPV Challenge – ongoing
- Global Product Strategy (GPS) effort – ongoing

- 2nd International Conference on Chemicals Management (ICCM-2)

What's Next - Looking to 2010

Regional GHS Implementation:

- Review & assess endpoints for classification
 - Physical hazards, acute & chronic toxicity, skin & eye irritation, skin & respiratory sensitization, reproductive toxicity, mutagenicity, carcinogenicity, aquatic toxicity

1st round of REACH registration:

- Gather/develop & assess required hazard data
- Compile information on downstream uses & exposures

Collection of production/exposure information for TSCA Inventory Update Rule

Timeline of Programs

2010

- Collecting production, use, exposure information for TSCA IUR
- Review & assess physical & hazard endpoints for GHS
- REACH registrations for >1,000 tons

2009

- Base set hazard data under HPV & EHPV programs
- Voluntary Children's Chemical Evaluation program
- Global Product Strategy risk characterizations on high priority chemicals
- 2006 IUR data publicly available
- ICCM-2

Timeline of Programs

2012

- GPS high priority chemicals with risk characterizations & summaries
- ChAMP – EPA completes screening characterizations on HPVs & MPVs
- Canada – highest priority chemicals with completed assessments
- ICCM-3

2011

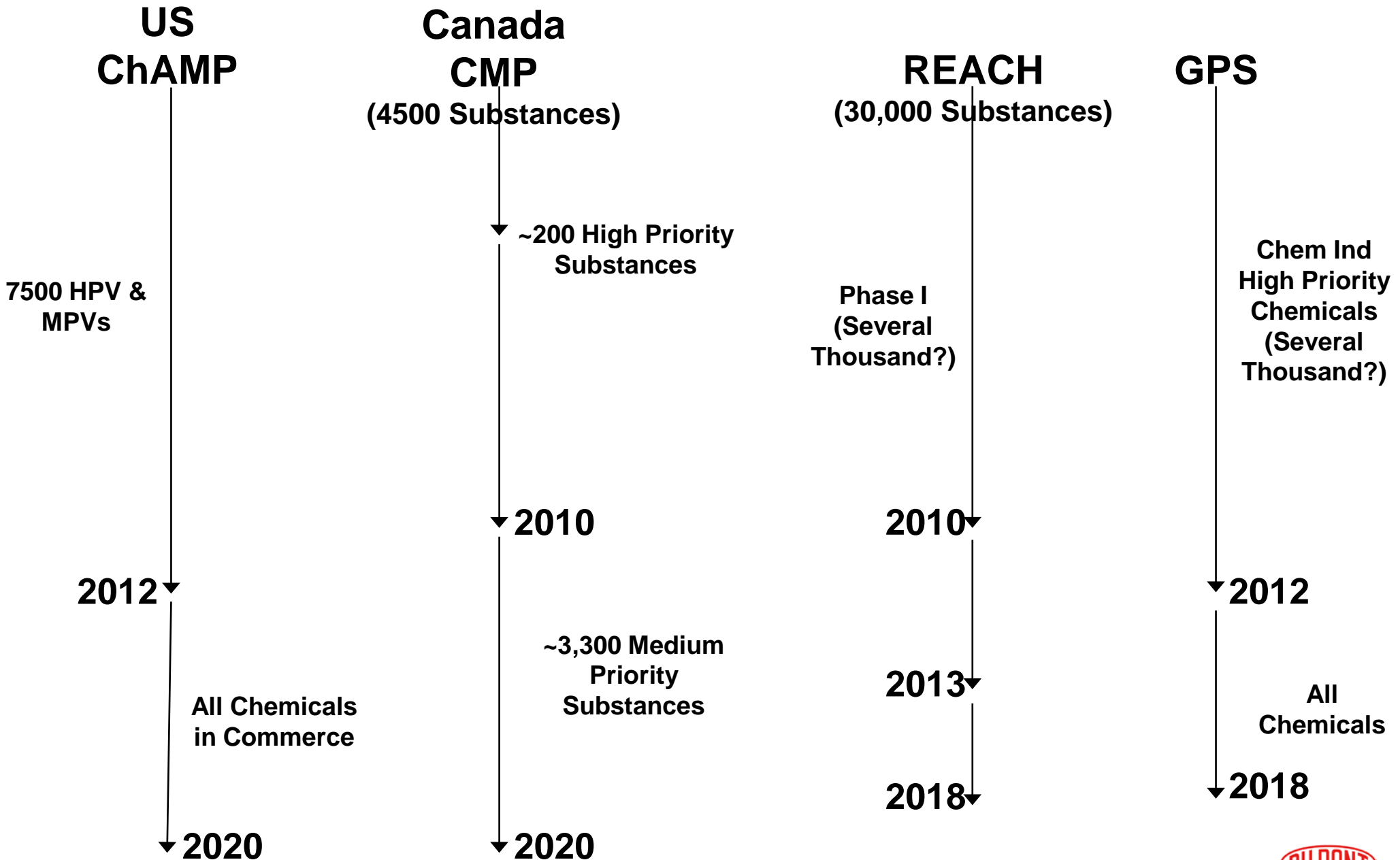
- Compilation & reporting for TSCA IUR

2010

- Collecting production, use, exposure information for TSCA IUR
- Review & assess physical & hazard endpoints for GHS
- REACH registrations for >1,000 tons

2009

Global Risk Management Timeframes



Through 2012 and Beyond

Canadian CMP will have completed risk reviews of 200 high priority chemicals

- GHS classifications for 200 chemicals

European REACH will have completed risk reviews of 2000-3000 HPV/MPV chemicals

US Programs

- ChAMP reviews for 7500 HPVs/MPVs
- GHS classifications for 7500 HPV/MPV
- TSCA legislative modernization will be complete

Industry's GPS will have publicly available P.S. summaries for 2000-3000 chemicals

Challenge: How do we optimize/leverage available information between regulatory and voluntary programs around the globe?

- Data ownership
- CBI
- IT systems
- Formats

Group Discussion



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