



The OPCW and the ban on chemical weapons: achievements and challenges

Chemical Weapons Destruction Conference

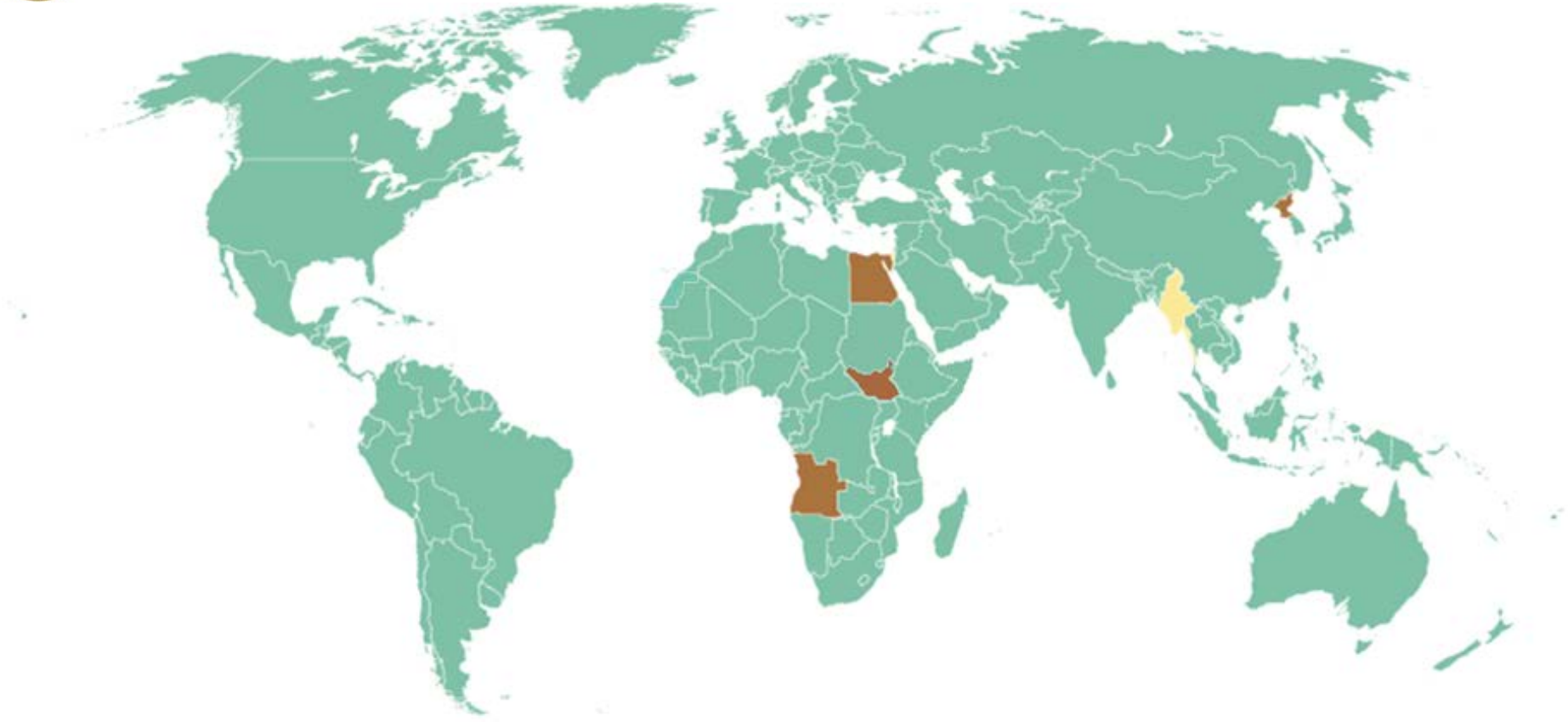
London
3-5 June 2015

Philippe Denier
Director of Verification
Organisation for the Prohibition of Chemical Weapons



ORGANISATION FOR THE
PROHIBITION OF CHEMICAL WEAPONS

Working together for a world free of chemical weapons



190 States Parties

2 Signatories - Israel, Myanmar

4 Non-Signatories - Angola, DPRK, Egypt, South Sudan



Treaty Implementation

**> 90% of declared
stockpiles destroyed
(progress from 1997 – 2015)**

The Chemical Weapons Convention



**Verification:
~ 17,000 “inspector days” in 2014
> 240,000 since 1997**



Destruction progress

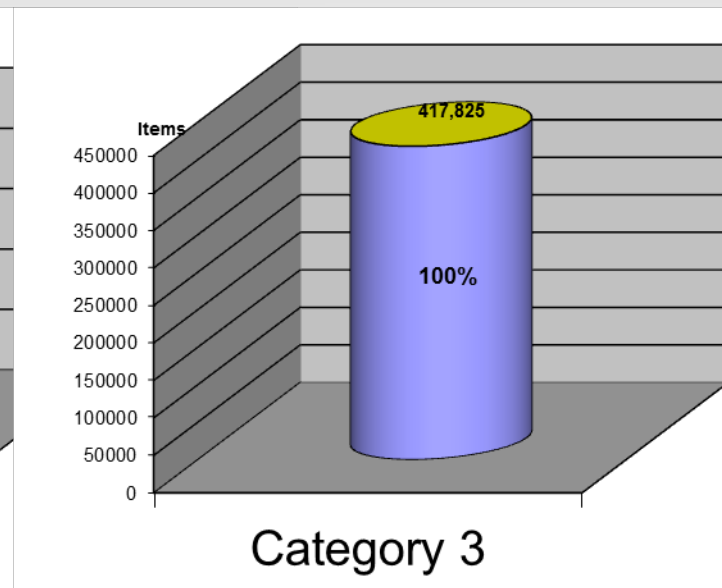
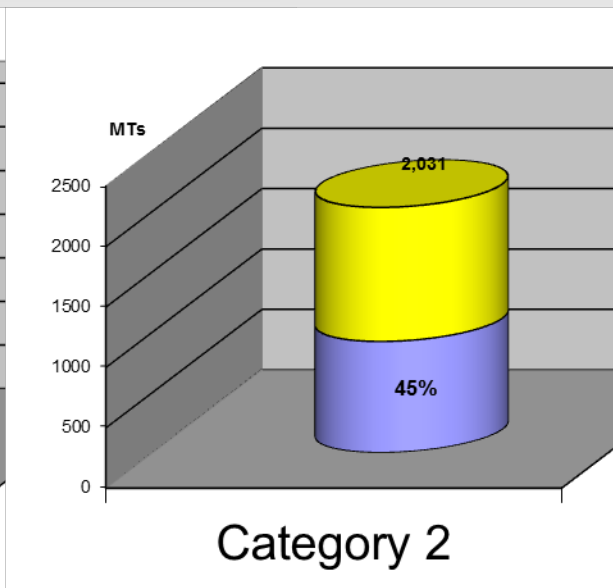
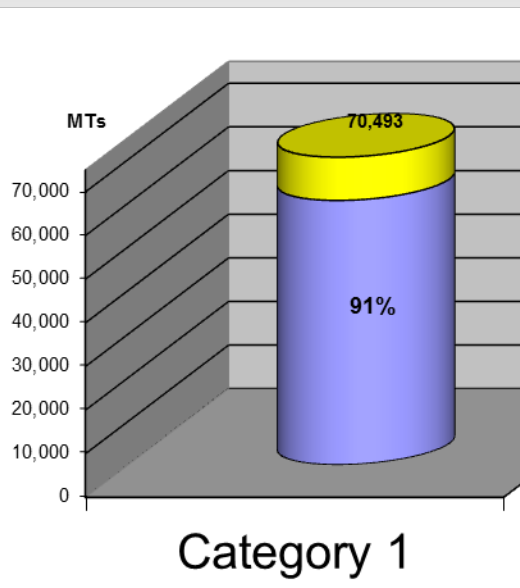
- 90% of declared CW destroyed
- > 4,000 metric tonnes in 2014
- ~ 10,000 metric tonnes left – within 8 years
- Unprecedented international effort on SAR CW and facilities





CW – overview of declared figures

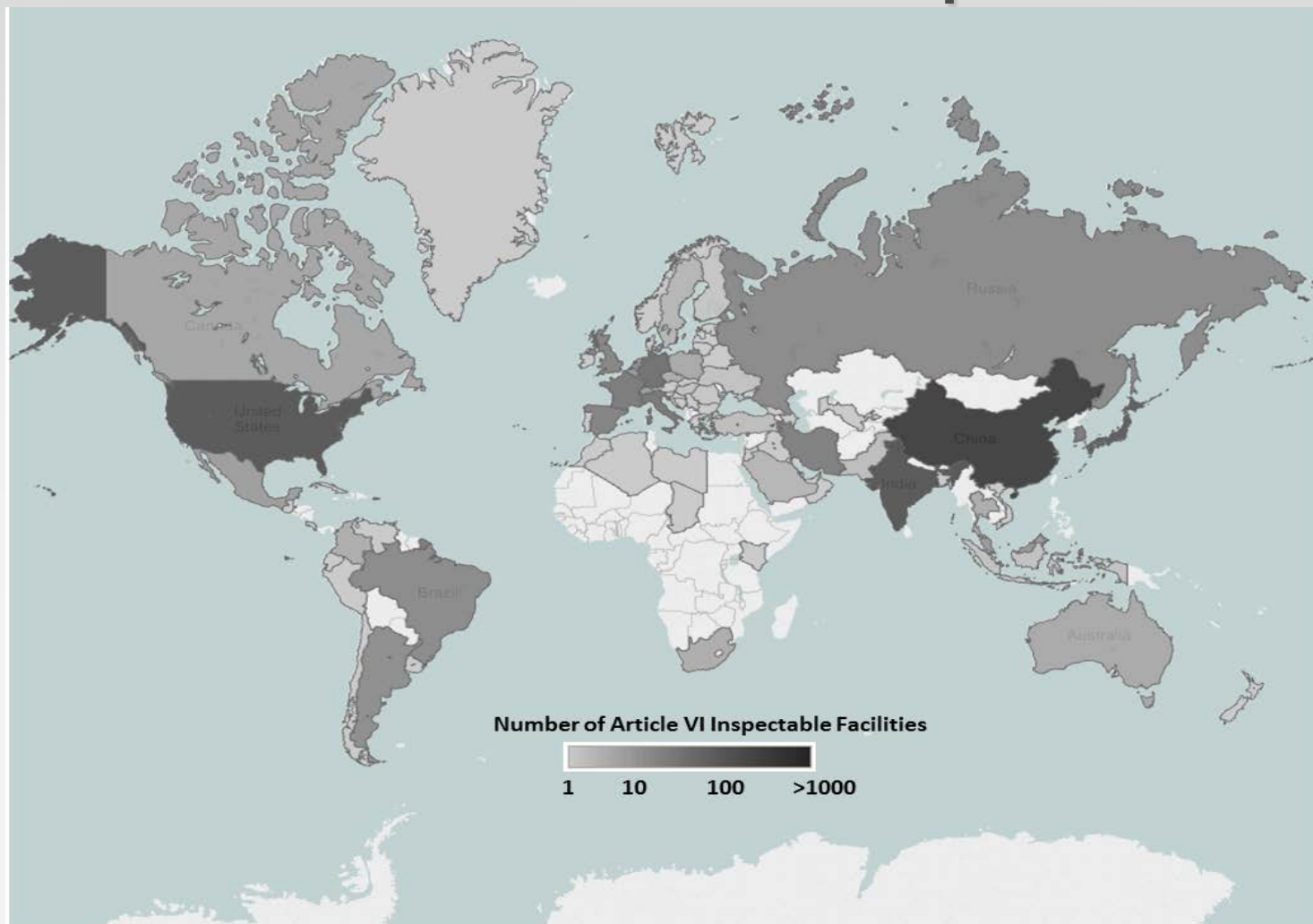
- 8 SPs declared CW



*As at 28 February 2015



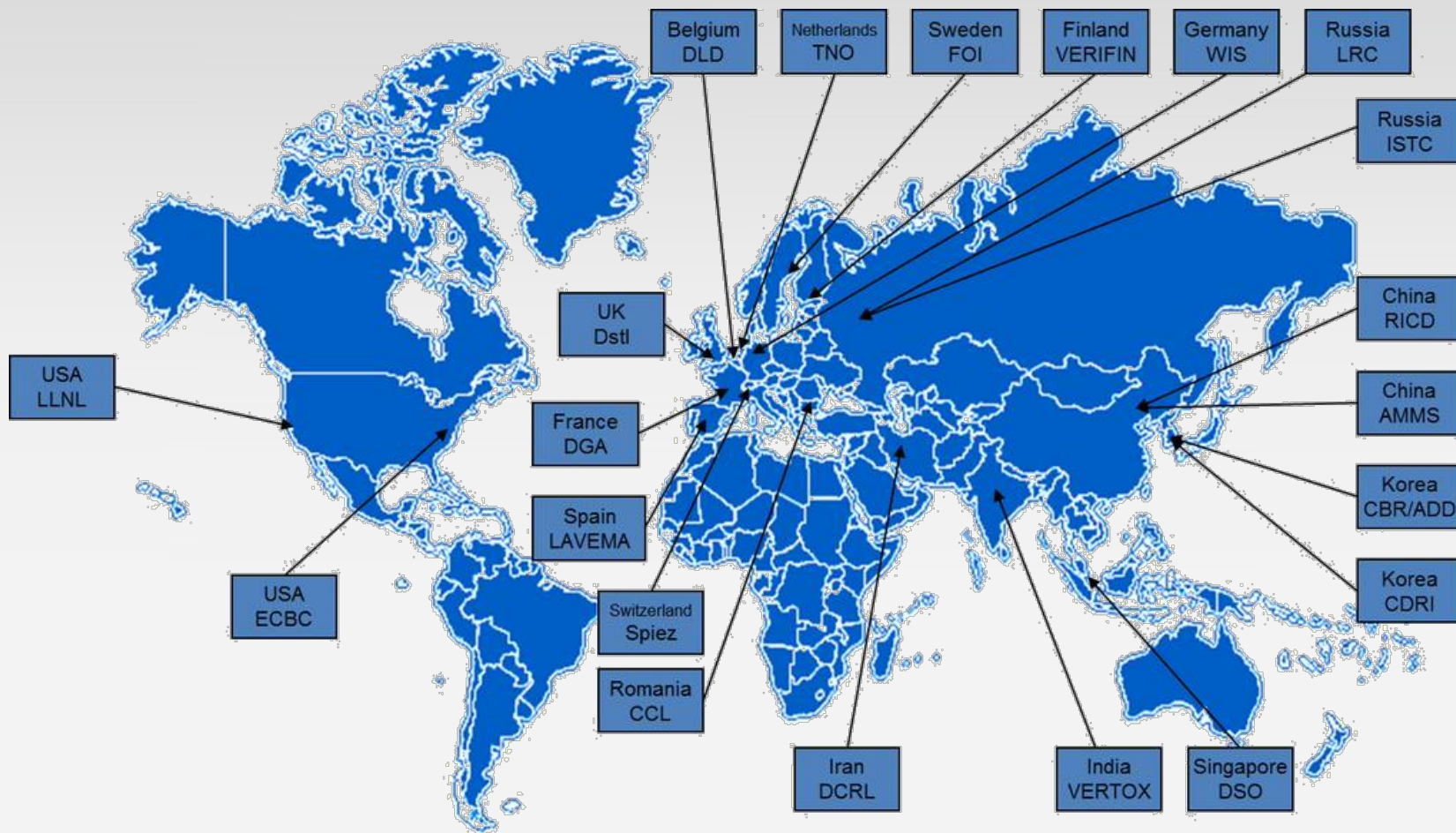
World-Wide Industrial Inspections



Data for declared facilities in 2014, for more information on Article VI Verification, see <http://ow.ly/MgoYD>



Designated Laboratories





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Looking Ahead: Challenges and Opportunities



Challenges

- **Adapting verification to a changing world**
 - Nature of armed conflict
 - Structural and technological changes in the chemical industry
 - Advances in science and technology
- **Changing balance of our work**
 - Disarmament → preventing re-emergence



Syria (Weap Cont

CBS/AP / May 25, 2015

Air Fr jet es

9 Comments / f

May 26, 2015, 7:00 AM

Last Updated May 26, 2015, 7:00 AM

E-MAIL THIS STORY

In mid-March, n helicopter and r was no explosic They didn't hav to breathe and

NEW YORK -- airliners Monda two planes at Ke authorities said. Authorities said A law enforceme were about 10 tl believe the threa and chemical w credible.

Chemical jihad? 'Growing chance' of chlorine bomb attacks in UK – security experts

Published time: May 25, 2015 15:55

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Reuters / Thayer Al-Sudani

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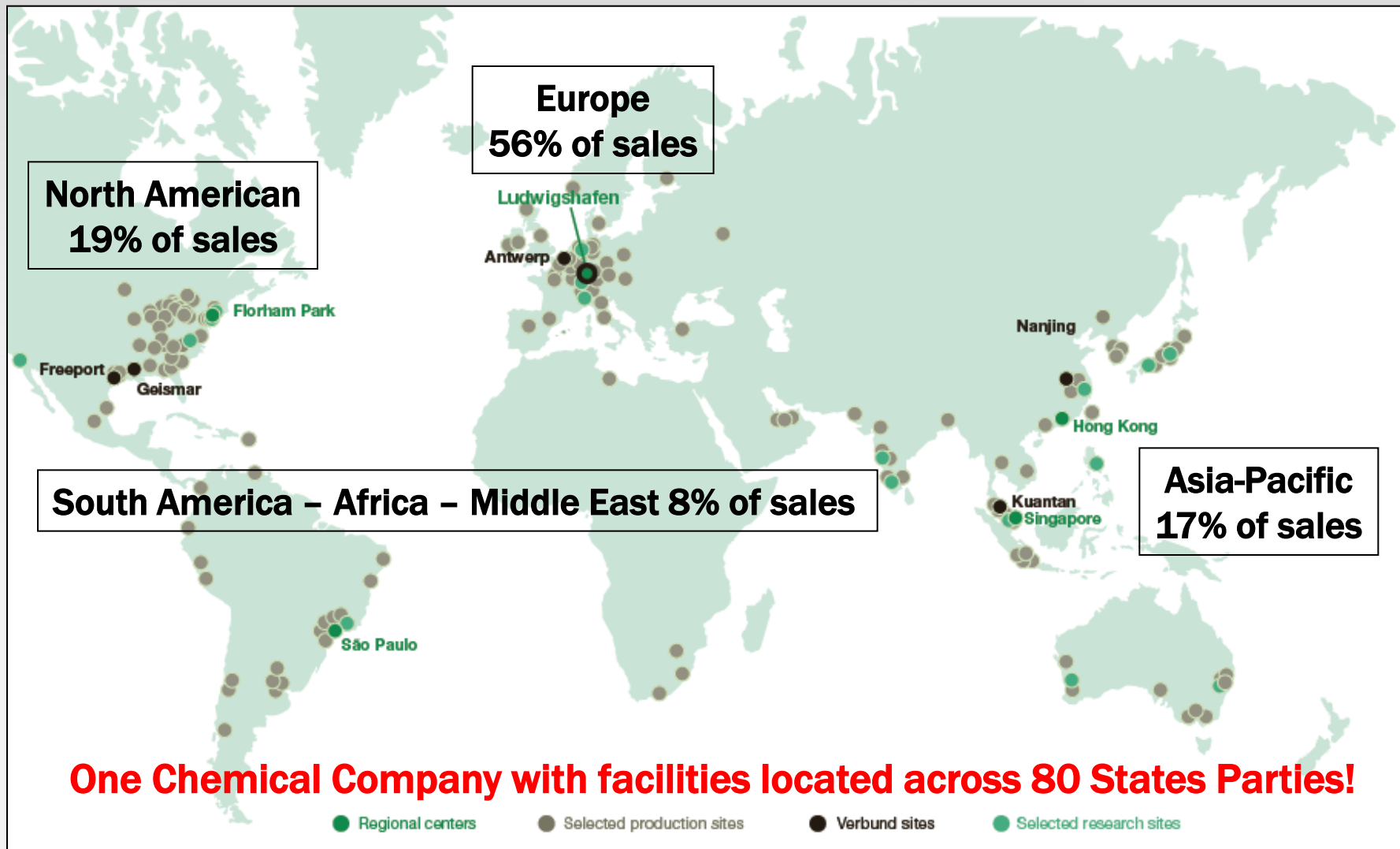



Britain is facing a growing threat of chlorine attack on its soil by UK jihadists returning home from Syria and Iraq, chemical warfare experts warn. Bombs containing chlorine are said to be the "chemical weapon of choice" for terrorists.

Tags
Arms, Science, Syria, Terrorism, UK

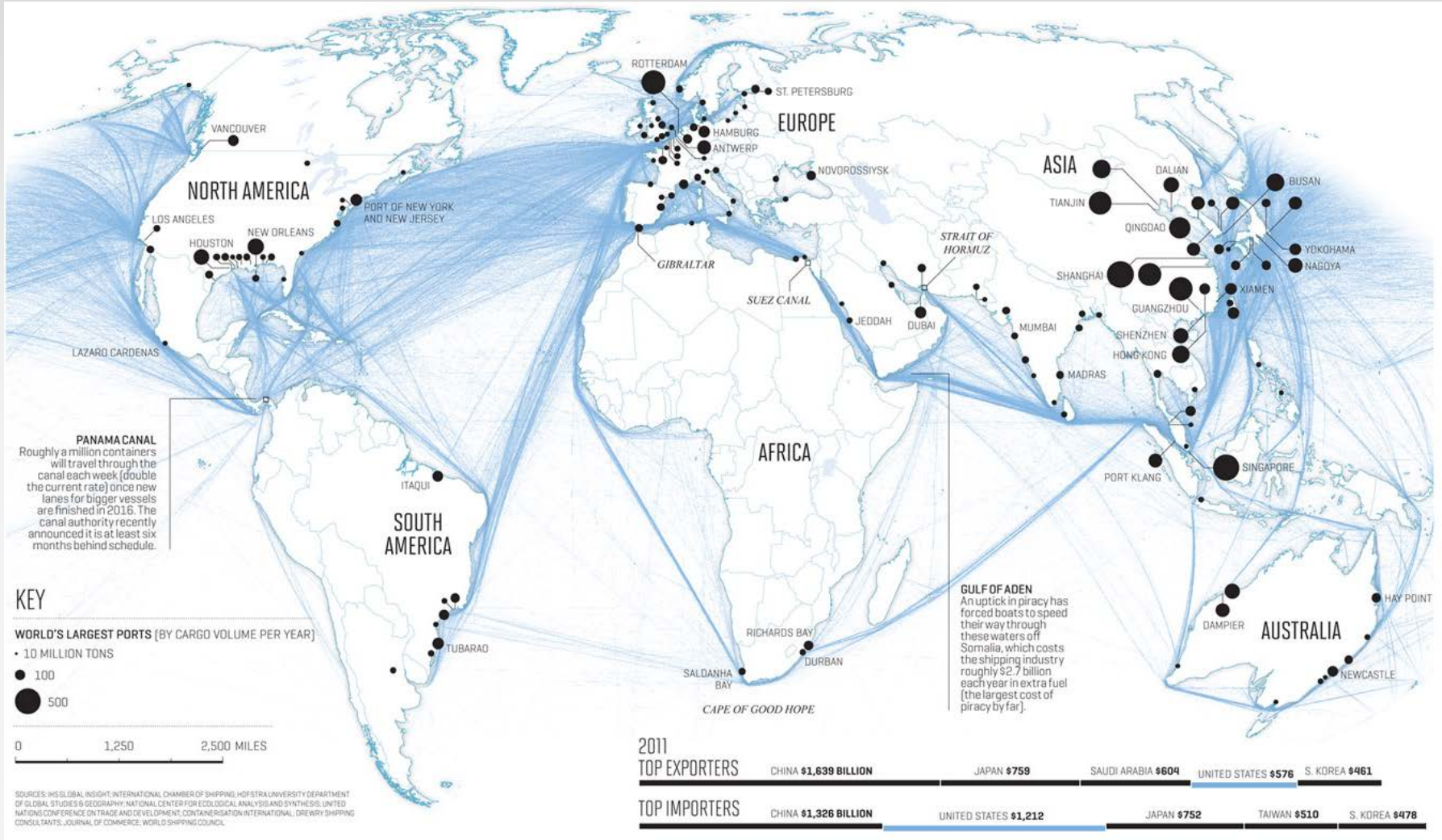


Global Diffusion of Technology and Materials





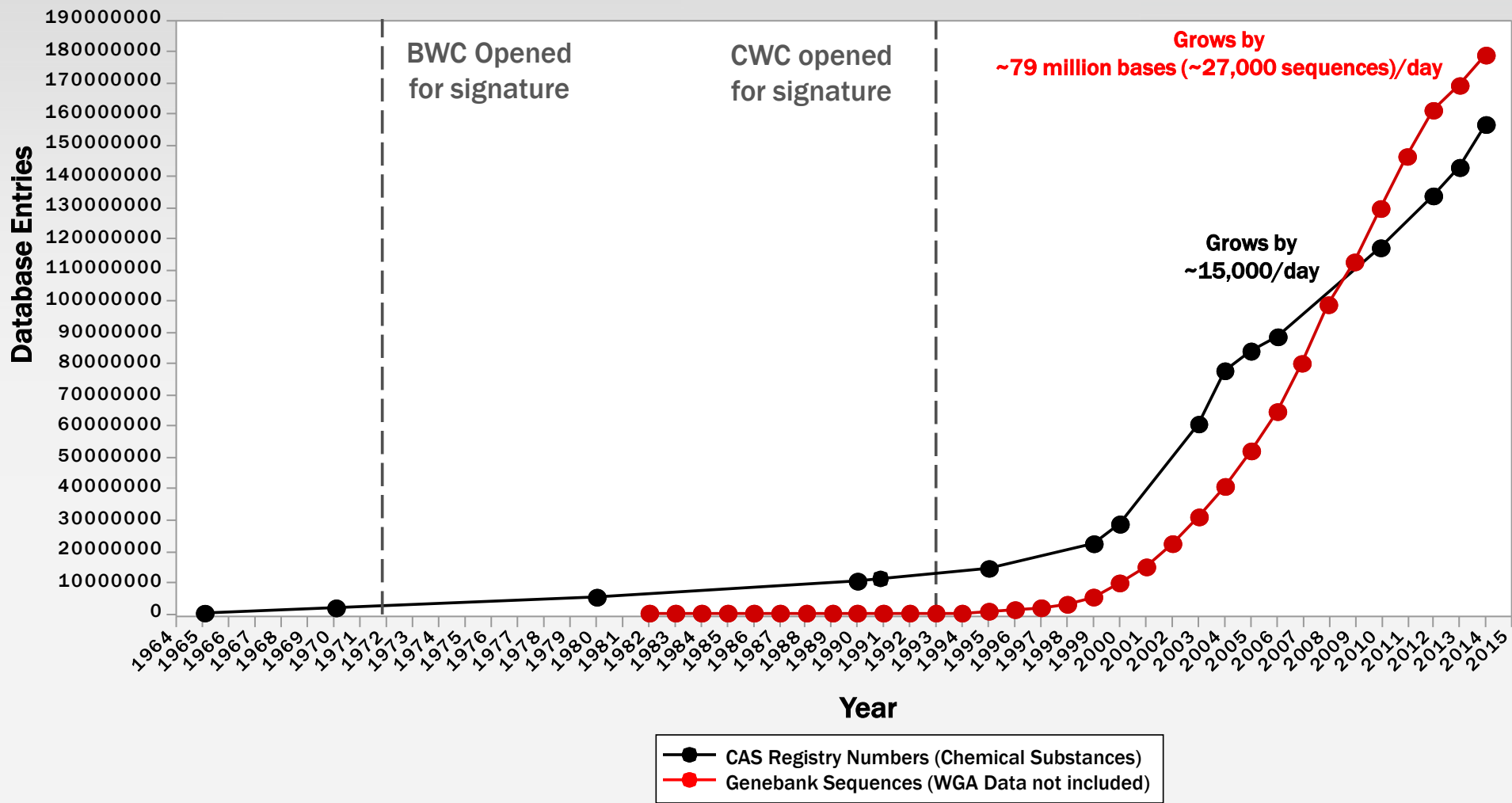
Economic Integration is Growing



SOURCES: IHS GLOBAL INSIGHT, INTERNATIONAL CHAMBER OF SHIPPING, Delft/STRAL UNIVERSITY DEPARTMENT OF GLOBAL STUDIES & GEOGRAPHY, NATIONAL CENTER FOR ECOLOGICAL ANALYSIS AND SYNTHESIS, UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT, CONTAINERISATION INTERNATIONAL, CREWRY SHIPPING CONSULTANTS, JOURNAL OF COMMERCE, WORLD SHIPPING COUNCIL



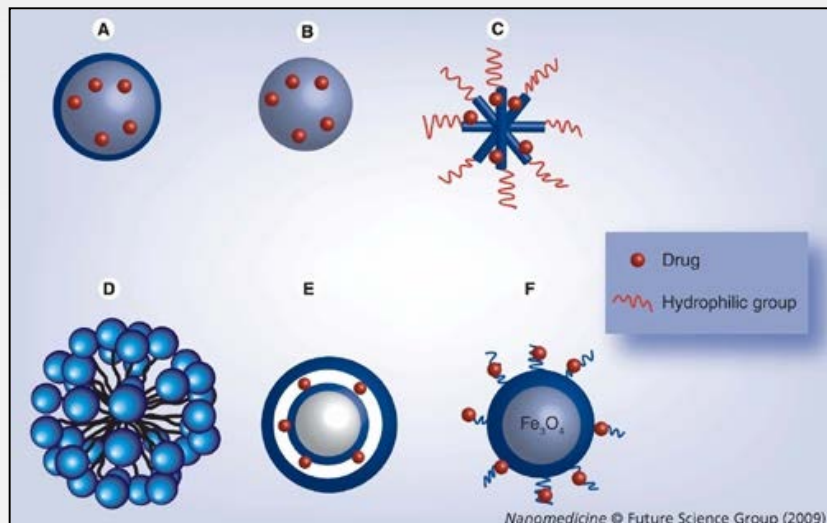
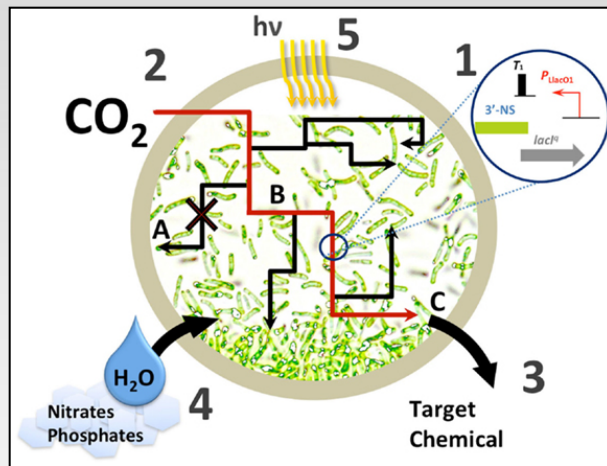
Science is Multidisciplinary and Dynamic





Challenges to CWC Implementation

- Are there new routes to (new) toxic chemicals?
- Are there new delivery methods for toxic chemicals?
- Can banned activities be disguised?





How to respond?

- Constantly review S&T
- Reach out to new stakeholders
- Take advantage of technological advances to improve verification
- Support States in implementation
- Take a holistic view of the Convention
- Work towards universalisation
- Maintain and expand critical knowledge and skills



Constantly review S&T

- Key role of Scientific Advisory Board
- Technical Working Group on Verification will soon report
- Engagement increasing with other international organisations working in arms control verification





Reach out to new stakeholders

- Proposal to create new Advisory Board on Education and Outreach
- Support for TS and States Parties
- OPCW working more closely with industry associations
- New partnerships with other organisations working in disarmament, science education



Support States in implementation

- National implementation is key
- Legal frameworks are the first step
- International cooperation programmes crucial and must target key implementers
 - National authorities
 - Customs
 - Education





Take a holistic view of the Convention

- How does the CWC respond to the non-State actor threat?
- Chemical safety and security
- A changing mandate post-destruction

Work towards universalisation

- Six States outside the Convention
- Universal CWC the best guarantor of its long-term success



Maintaining and developing capability

- Chemical weapons (CI, IAU, O/ACW)
- Corporate knowledge
- Secure and effective handling & analysis of large amounts of data
- Effective data monitoring of trade





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