Vision 2025: Läkemedel i miljön är inte längre ett problem

BLOCK 1: Tillverkning "Perspektiv läkemedelsindustri"

Bengt Mattson



Hållbarhet – genom hela läkemedelskedjan

t.ex. grön kemi, klimatprogram, (avlopps)vatten- och avfallsprogram, gröna förpackningar, åtgärder i leverantörskedjan.

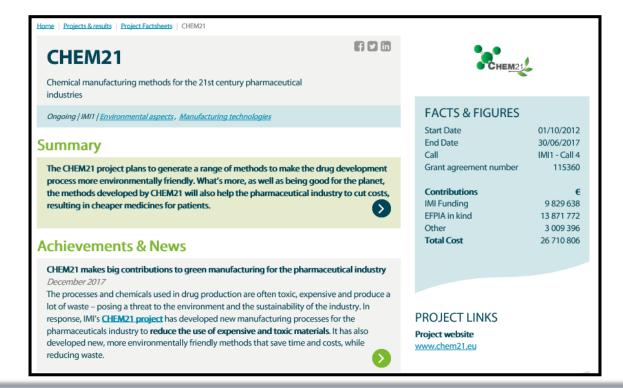
SYFTE: Det piller som tillverkas ska vara så grönt som möjligt

t.ex. klimat/avfall/vatten etc. men även program följsamhet, läkemedelsgenomgångar, orsaker till Utan att negativt påverka patientnytta och medicinsk effekt

Hur når vi en långsiktigt hållbar användning av läkemedel

... och vad betyder det egentligen?

"Grön kemi"





"Klimatprogram"

EFPIA White Paper on Climate Change

The pharmaceutical industry is committed to making a positive impact on the lives of patients while operating sustainably and therefore wants to contribute to a healthy environment and demonstrate leadership in doing what's necessary to prevent climate disruption. The driving motivation of the pharmaceutical industry is to improve human health and wellbeing. We all need to ensure that the impact of climate change on health is better understood so that we can form and execute our response by understanding the interface between people, health and the environment. We are committed to contribute responsibly to progress in regard to science-based CO2e reduction targets.

This White Paper highlights the commitment made by the EFPIA companies to:

- Establish climate change policies/strategies based on materiality and impact for individual companies;
- · Develop actions that support science-based CO2e reduction targets;
- · Contribute to increased energy efficiency and aim to use more energy from renewable sources;
- Strive to harmonize GHG reporting based on recognized calculation methodologies and publicly disclose CO2e performance.

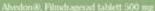




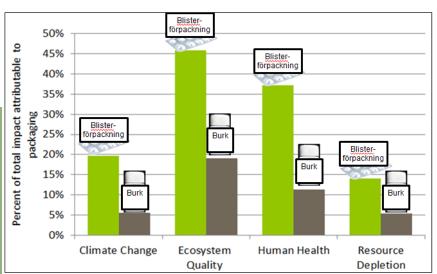


"Gröna förpackningar"





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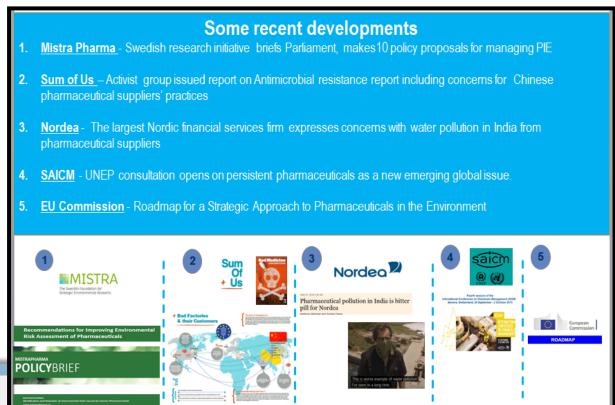








- stor press på industrin att agera -





- Industry Roadmap for Progress on AMR -

Industry Roadmap for Progress on Combating Antimicrobial Resistance – September 2016

The Davos Declaration* signed by >100 companies and trade associations in January 2016, called for collective action to create a sustainable and predictable market for antibiotics†, vaccines and diagnostics, that enhances conservation for new and existing treatments. It also called for coordinated action to improve prevention of infections, hygiene, stewardship and conservation measures.

As a group of leading companies supporting the Davos Declaration, we welcome the continued high level political focus on Antimicrobial Resistance (AMR), including discussions at the UN, WHO, G7, G20, the AMR Review team's Final Report as well as regional and national debate. This work has established an ambitious, comprehensive agenda for the world and challenges each key stakeholder group to act and contribute to managing the threat of resistance.





- The Industry Roadmap for Progress on AMR, examples of environmental commitments -

- 1) We support measures to reduce environmental impact from production of antibiotics, and will:
- i. Review our own manufacturing and supply chains to assess good practice in controlling releases of antibiotics into the environment.
- ii. Establish a common framework for managing antibiotic discharge, building on existing work such as PSCI, and start to apply it across our own manufacturing and supply chain by 2018.
- iii. Work with stakeholders to develop a practical mechanism to transparently demonstrate that our supply chains meet the standards in the framework.
- iv. Work with independent technical experts to establish science-driven, risk-based targets for discharge concentrations for antibiotics and good practice methods to reduce environmental impact of manufacturing discharges, by 2020.



- PSCI, Pharmaceutical Supply Chain Initiative -







- EPS, Eco-Pharmaco-Stewardship-

 Ett gemensamt program från den europeiska läkemedelsindustrin (AESGP, EFPIA, MfE) för att minimera negativ miljöpåverkan från läkemedel i miljön

EPS - Eco-Pharmaco-Stewardship

Webinar on EPS: https://www.youtube.com/watch?v=0azJDhcFlDg



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Och hur når vi då dit...

 Ha regelverk och andra drivkrafter ("piska och morötter") på plats genom hela kedjan

Miljökrav i GMP (med de risker och problem det har), eller kanske ett GEP

- Miljökriterier i upphandling
- Gröna incitament inom generika systemet
- Gröna val inom egenvårdssortimentet

Behov av en miljöbedömningsmodell för läkemedelsprodukter



Environmental Assessment of Pharmaceutical Substances

