



Pharmaceuticals in the environment

Make ideas work!

Sustainable procurement for a sustainable development – the case of Sweden

Pauline Göthberg, National Coordinator

Tuesday 6th September 2016

Swedish county councils and regions

- 21 County Councils and Regions
- Responsible for
 - healthcare
 - dental care
 - public transportation
- 250 000 employees
- Procures goods and services to the amount of 13 billion euro
- Co-operation since 2010
- 8 risk areas (pharma)



What are the risks?

Bad Medicine

How the pharmaceutical industry is contributing to the global rise of antibiotic-resistant superbugs



Experts call for response to antibiotic resistance similar to UNAIDS

Laxminarayan R, et al. *Lancet*. 2016;doi:10.1016/S0140-6736(16)31079-0.

August 4, 2016

[Abstract Excerpt](#)

[Executive Summary](#)

[Perspective](#)

Experts are calling on the United Nations to implement a global plan for sustainable access to effective antibiotics that resembles the UN's response to the AIDS pandemic 20 years ago.

See Also

[Expert calls for change in suicide assessment, formulation ...](#)

[Experts advocate increased preparation, funding to reform ...](#)

[Second-generation drugs called into first-line therapy for CML](#)

Without Harm

Writing in *The Lancet*, 11 experts from institutions and universities said the UN's high-level meeting on antimicrobial resistance in September should establish a four-part plan that resembles what was undertaken when UNAIDS was launched in 1996.

"The meeting must develop realistic goals, stimulate political will, mobilise resources, and agree on an accountability mechanism for global action on this issue," Ramanan Laxminarayan, PhD, MPH, director

nature International weekly journal of science

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Published online 4 February 2009 | *Nature* 457, 640–642 (2009) | doi:10.1038/457640a

India's drug problem

Chemists show how waste-water contamination affects ecosystem.

Raemi Lubick

Waste flowing out of a treatment plant near Hyderabad in India pollutes the region's waters with some of the highest levels of pharmaceuticals ever detected in the environment. In a paper being released online this week, researchers in Sweden report how this effluent has serious adverse effects on the development of

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Public procurement as a policy tool

- How should pharmaceutical suppliers work to achieve sustainable pharmaceuticals?
- What demands can be made on a systematic work and how can they be followed-up?
- What are the results from follow-ups?

Procurement of pharmaceuticals in Sweden - for hospitals and for pharmacies

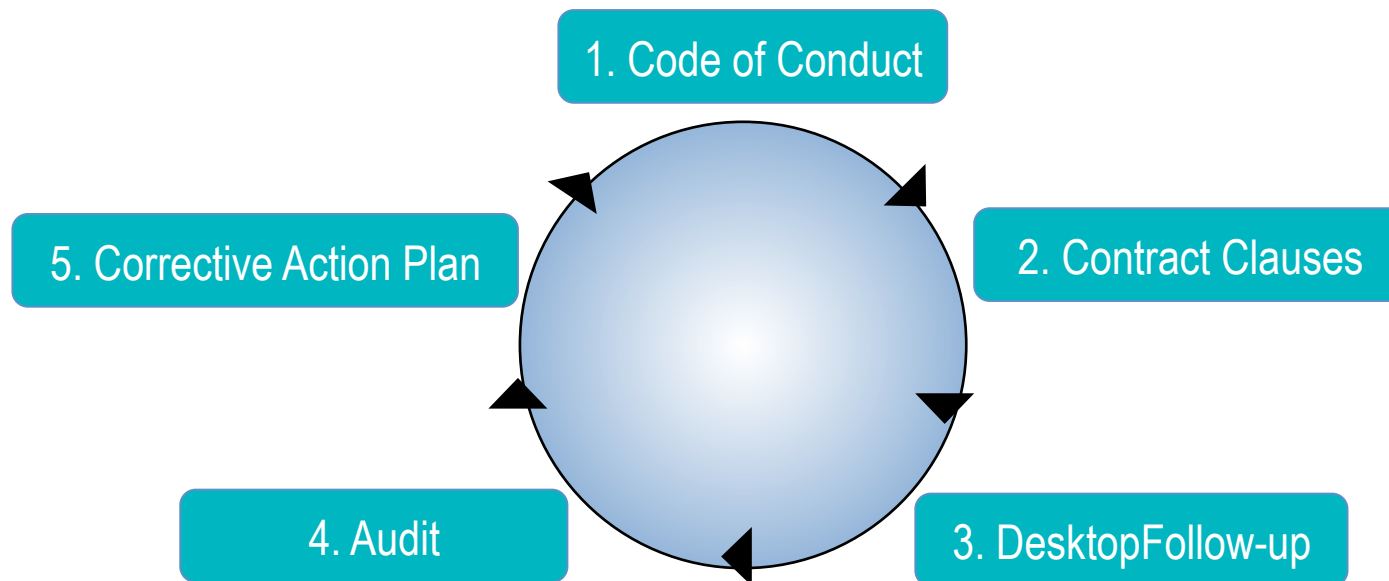
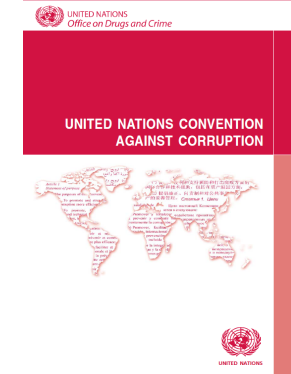
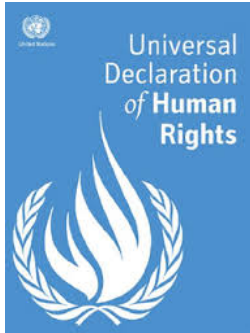
County Councils (21%)
SEK 7,5 bn



Pharmacies (79%)
SEK 28,4 bn

Ref.: INSIKT, e-Hälsomyndigheten,
December 2015

Five steps to sustainable procurement



Special contract terms

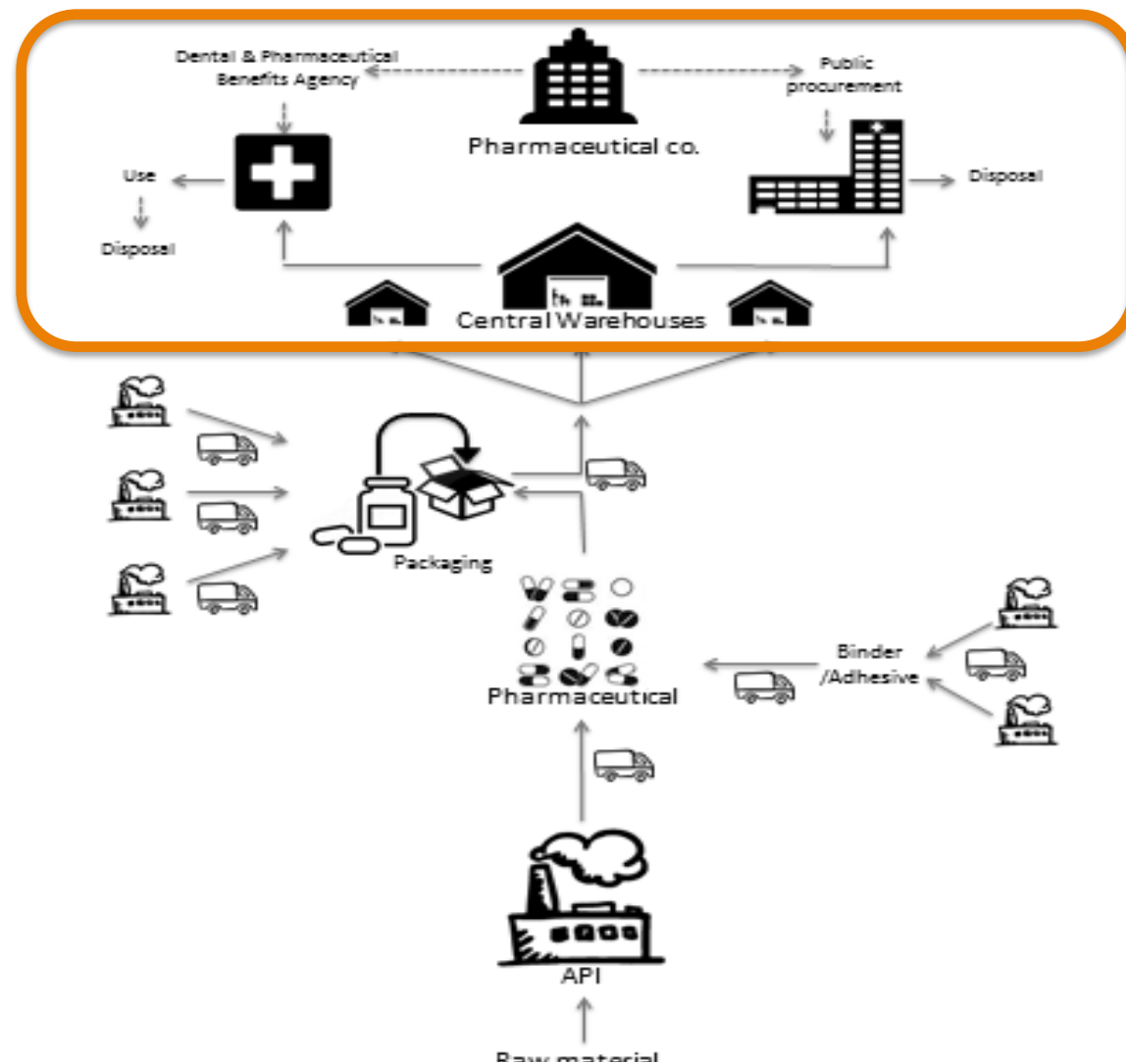
Text (1)

The supplier must have procedures in order to ensure that the production is in compliance with the CoC, at least

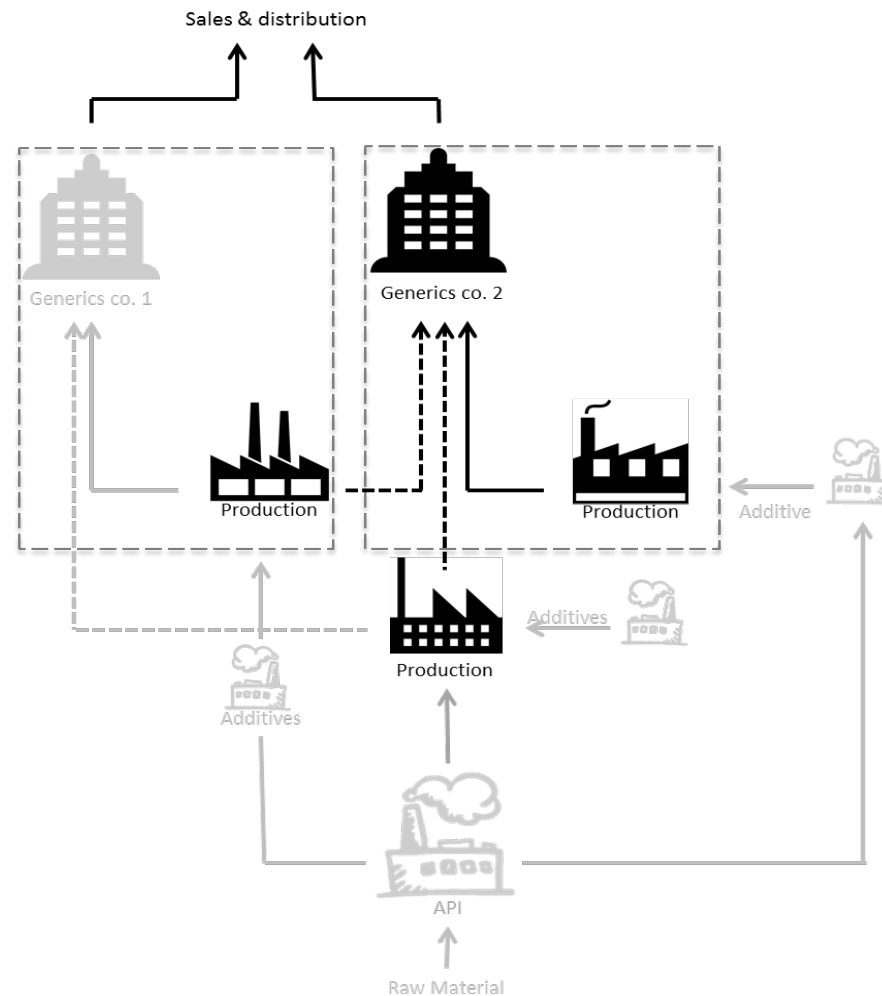
The supplier is additionally obligated to make it possible for the purchaser, either in person or by a representative, to conduct inspections at the premises of the supplier and/or any of the supplier's subcontractors in order to ensure that the requirements of § 1 are being fulfilled.

- Policy commitment
- Division of responsibilities at the supplier regarding social responsibility in the supply chain
- Demands on subcontractors in terms of social responsibility
- Procedures for risk assessment in supply chain
- Procedures for monitoring and verification of compliance
- Procedure for handling non-compliance

Findings: Complex supply chain and lack of transparency



Findings: Complex supply chain and lack of transparency



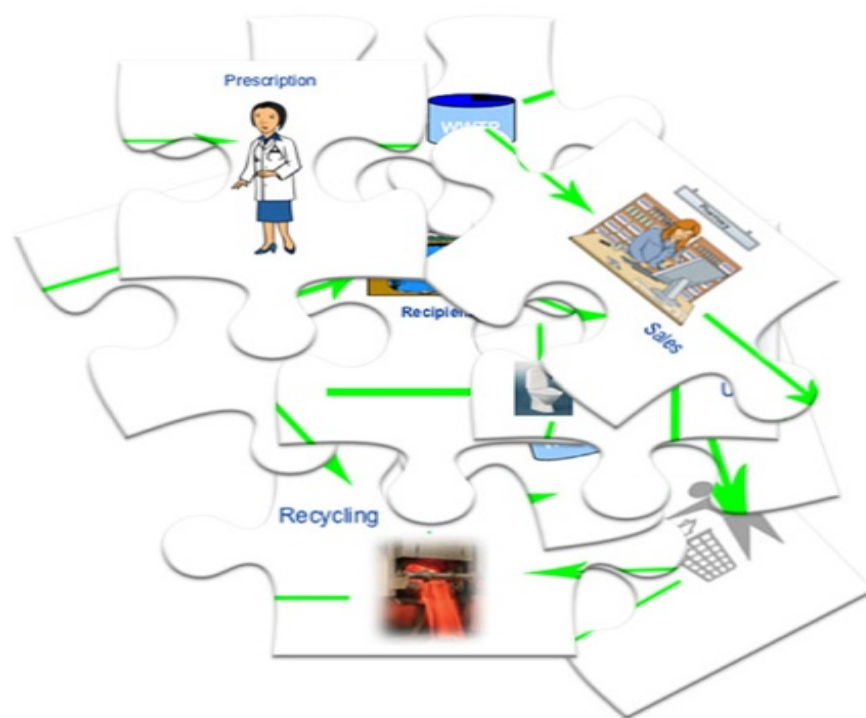
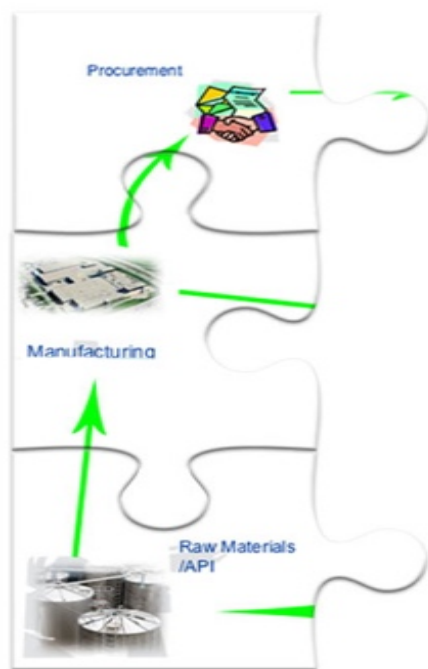
Examples of findings



Examples of findings



How can we reduce pharmaceuticals in the environment?



Thank you!

New Report!

Sustainable Pharmaceuticals

Public Procurement as a policy tool

A study of sustainable public procurement of pharmaceuticals



Stockholms läns landsting

Landskapet i Uppsala län



WORKING PAPER 26

Water and pharmaceuticals – a shared responsibility

Many of the tools required to create a future with no negative environmental impact from pharmaceuticals are already available. This paper suggests that combining the whole pharmaceutical life cycle will not only be key to for sustainable development but also lead to increased transparency and understanding between stakeholders.

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Pauline Göthberg
PhD

National Coordinator,
pauline.gothberg@sl.se

Mob. +46 70 0891893

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Health Care Without Harm Europe

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