Antimicrobial Resistance (AMR) in the “real world” Town Meeting Industry Opportunities

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ABOUT UNILEVER

Unilever is one of the world’s leading suppliers of fast-moving consumer goods.

Our products are sold in over 190 countries and used by 2 billion consumers every day.
THE UNILEVER SUSTAINABLE LIVING PLAN

Our Sustainable Living Plan will result in three significant outcomes by 2020.

Health & Hygiene
Improving Nutrition

Greenhouse Gases
Water
Waste
Sustainable Sourcing

Fairness In The Workplace
Opportunities For Women
Inclusive Business
Unilever’s portfolio

Turnover by Category 2014

- **FOODS**: 25%
- **PERSONAL CARE**: 37%
- **REFRESHMENT**: 19%
- **HOME CARE**: 19%
So, what is the relevance of AMR?
Strategic Research Priorities on AMR

External Drivers
• Scientific debate (late 1990s onwards)
• Links between microbicides and AMR?
• Regulatory changes in EU and USA

Focus Areas
Science-based approach for safety assessment at point of use (consumer & domestic settings)
• Methods/protocols to build evidence base
• Risk assessment & management
• Realism & factors representative of in-situ exposure
• Predictive capability through modelling approaches
Understanding Real World Interactions

Needs

- Environmental dimension of AMR in the context of human health risk assessment
- What is the role of microbicides in this complex & multi-factorial scenario?
- Quantitative understanding of risk-contributing factors
- Weight of evidence
- Realism & predictive approaches

**Figure 1.** Conceptual model describing the environmental pathways that result in an increased risk of human and animal infection with antibiotic-resistant bacteria.

Ashbolt et al. (2013) PMID: 23838256
Unilever’s Safety & Environmental Assurance Centre (SEAC): helping to shape innovations that are safe for our consumers and workers, and better for the environment. SEAC was created 25 years ago by bringing together all relevant scientific expertise across Unilever in a single group.

Thank You

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