



ICARS

International Centre for Antimicrobial Resistance Solutions

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AMR – a wicked problem



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AMR is one of the biggest threats to global health, prosperity and economic growth

AMR respects neither sectors nor borders.

Failure to tackle AMR threatens the achievement of the Sustainable Development Goals (SDGs)

The ever growing human population as well as the livestock production increases the demand for antibiotics

In several countries lack of access to antibiotics causes more death than infections due to AMR bacteria

Actions against AMR

WHO, FAO, OIE, UNEP (Triparte+) together with key organizations are developing the necessary policy frameworks for action globally.

The Global Policies is translated into the National action plans in the majority of countries

Several initiatives by the Triparte+, countries, NGOs and research institutions are ongoing or initiated these years

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However, several low- and middle income countries (LMIC) struggles with implementation of their AMR action plans as well as to find feasible solutions to mitigate the problems of AMR

There is a need for international research centre focusing on **implementation and solution** in LMIC

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Why Denmark and CGIAR

Denmark has worked “one health” for 25 year with monitoring of AMU and AMR in Human and veterinary bacteria since 1995

- Merged the National Vet Institute and the Statens Serum Institut

Denmark has a large livestock production with experience with cooperation of authorities with farmers, vets and companies leading to a fairly low AMU and AMR

Denmark has experiences in AMR projects in LMICs with a high degree of local involvement

CGIAR has the expertise on Livestock, aquaculture, food and environment in LMIC

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ICARS Mission

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*The ICARS centre will act as an independent global knowledge node for generating, aggregating and disseminating evidence on antimicrobial drug resistance and support the development of **feasible context-specific solutions** for its containment.*



ICARS Vision

We envisage a world where resistance to antimicrobial drugs no longer poses an urgent threat, and antimicrobial drugs are safeguarded to support the achievement of the Sustainable Development Goals, including human and animal health, welfare, equity and economic growth.



ICARS scope



Implementation and Solution driven research is key objectives for ICARS

- Multidisciplinary as well as interdisciplinary
- Evidence based
- Work in a One Health approach cutting across human, livestock and plants, as well as the environment
- Will serve as an independent global knowledge node collecting existing and novel experiences gained from implementation research across scientific disciplines

Focus on low- and middle-income countries.

AMR Specific as well as AMR sensitive issues

ICARS scope



Support the translation of policies into evidence-based practices

Will work with strong local participation to secure development of contextual and feasible solutions for the individual country/region

- Bottom up approach

Will be a learning organization and will evaluate processes and impact of interventions

- Failure in interventions, may be due to the process rather than the rationale

ICARS formation



Nov 2017 Initial Contact between Denmark and the World Bank on AMR

April 2018 WB visits Denmark

July 2018: Initial Workshop on creating an AMR centre in Denmark

Fall 2018: Concept Note developed, Denmark decides to take the initiative for establishing ICARS

November 2018: MoU between Denmark and CGIAR signed in Seattle

November 2018: First public announcement of ICARS – Call for Action conference in Accra, Ghana

December- February 2019: Development of a draft for Initial Work Program (IWP)

February 2019: opening of the CGIAR resistance hub –

- bilateral meetings between with the hub on developing ICARS

February 2019: ICARS Workshop on the IWP in Washington

Roadmap ahead



March 2019: Adjustment of IWP in collaboration with CGIAR

April 2019: Presentation of ICARS at the margin of the WB Spring meeting

- Identification of strategic funding partners (countries, foundations)

Autumn 2019: ICARS transforms from an idea to an international centre

- Establishment of an international Board
- Hiring a managing director
- ICARS go Live

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Thank you for your attention

We look forward to continue the journey
with CGIAR and the AMR hub