Agreement for Performance of Work

Services

Terms of Reference

This Agreement for Performance of Work (APW) is requested by:

<table>
<thead>
<tr>
<th>Initiator:</th>
<th>Peter Beyer</th>
<th>Reg.#:</th>
<th>HQ/HIS/EMP/IAU/2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit:</td>
<td>Innovation, Access and Use (IAU)</td>
<td>Cluster / Dpt.:</td>
<td>Health Systems and Innovation (HIS)/ Essential Medicines and Health Products (EMP)</td>
</tr>
</tbody>
</table>

1. **Purpose of the APW**

   To support the IAU team in development of the Global Framework for Development and Stewardship to Combat Antimicrobial Resistance by analysing options for global stewardship for antimicrobial medicines and resistance to guide priority setting of the framework.

2. **Background**

   Antimicrobial resistance (AMR) is an increasingly important global public health, economic and societal challenge that requires a comprehensive "One Health" approach. Multi-sectoral policies and engagements are needed, encompassing all areas of human and animal health as well as agriculture and the environment. The emergence and spread of resistant organisms is on the rise exemplified by the recent release of the priority pathogens list on antimicrobial resistance. This, coupled with a relatively dry R&D pipeline for novel antimicrobials highlights the need for global stewardship to preserve existing and new antimicrobials that enter the market as well as promoting affordable access in particular in low and middle income countries. Stewardship, as stated in the WHA69.24 Add. 1, is to preserve antimicrobial medicines by taking measures to promote control, appropriate distribution as well as appropriate use.

   In response to the Global Action Plan on antimicrobial resistance and the political declaration of the high-level meeting of the United Nations General Assembly on antimicrobial resistance, the World Health Organization (WHO) together with the Food and Agriculture Organization of the United Nations (FAO) and the World Organisation for Animal Health (OIE) is developing a global development and stewardship framework to combat antimicrobial resistance. This framework will support the development, control, distribution and appropriate use of new antimicrobial medicines, diagnostic tools, vaccines and other interventions, while preserving existing antimicrobial medicines, and promoting affordable access to existing and new antimicrobial medicines and diagnostic tools, taking into account the needs of all countries, and in line with the global action plan on antimicrobial resistance. To facilitate priority setting for global stewardship, it is proposed to develop a document on options and possible models for global stewardship that covers the antimicrobial life cycle of the product from development, control, distribution to appropriate use of antimicrobials in human health based on the three level categorisation of antibiotics in the 2017 revised WHO Essential Medicines List. This review will not include local and national initiatives as these are being undertaken separately.

3. **Planned timelines (subject to confirmation)**

   Start date: 15/09/2017
   
   End date: 15/12/2017
   
   Total duration: 3 months

---

1 This template is only to be used for APWs granted to Companies, and not for APWs granted to Individuals.
4. Requirements - Work to be performed

**Objective 1:** To review and evaluate control options for global stewardship models to combat AMR that can address the multidimensional spectrum of AMR to ultimately optimize the use of antimicrobials, preserve efficacy of current antimicrobials and reduce the emergence and spread of AMR.

**Deliverable 1.1:** To conduct a desktop review to identify examples of control measures that can be implemented at the national, regional and international levels that would support global stewardship of antimicrobials used in the human and the animal sector. This review excludes hospital and community level stewardship programmes. The review should include the following.

- Identifying the stakeholders involved in components of the supply chain of antimicrobials with particular focus on regulation, manufacturing, selection, procurement and distribution of antimicrobials and that can play an important role in global stewardship controls/measures to combat antimicrobial resistance (Member States, International organizations, regulatory authorities etc.). This excludes the end use of antimicrobials.
- Review existing international legal agreements and frameworks (e.g. WHO Framework Convention on Tobacco Control and the International Health Regulations) and identify potential global tools and controls (legally binding and non-binding) that could be transferable to global antimicrobial stewardship across the stakeholders and supply chain elements identified above.

**Deliverable 1.2:** To propose and prioritize options for global stewardship of antimicrobial medicines with a specific view to ensure access to essential antibiotics. The options should address the key components of the supply chain that are regulation, manufacturing, selection, procurement and distribution of antimicrobials that can be implemented through legal and non-legal instruments and guidelines and possible options for adoption at the international level through, but not limited to, the World Health Assembly and the United Nations General Assembly. Based on the input and close collaboration with the WHO team develop an options paper for options for global stewardship of antimicrobial medicines for use in humans and animals. Criteria for prioritization should include whether the options are:

- Adapted to low- and middle income settings.
- Facilitate access to essential antibiotics listed in the Access and Watch List and safeguarding of the RESERVE list.

5. Requirements - Planning

<table>
<thead>
<tr>
<th>Deliverable</th>
<th>Deadline (indicative)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counter signed contract</td>
<td>15 September 2017</td>
</tr>
<tr>
<td>Review of global actors involved in the antimicrobial medicines value chain and existing control measures transferable to antimicrobial stewardship.</td>
<td>5 October 2017</td>
</tr>
<tr>
<td>Draft report on control options for global stewardship measures to combat antimicrobial resistance</td>
<td>15 November 2017</td>
</tr>
<tr>
<td>Final report on prioritized options for global stewardship control measures to combat antimicrobial resistance</td>
<td>15 December 2017</td>
</tr>
</tbody>
</table>

6. Inputs

Desktop review, interviews, priority setting in collaboration with the EMP/IAU team, report writing.

7. Activity Coordination & Reporting

<table>
<thead>
<tr>
<th>Responsible Officer:</th>
<th>Peter Beyer, EMP/IAU</th>
<th>Email: <a href="mailto:beyerp@who.int">beyerp@who.int</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>For the purpose of:</td>
<td>Technical supervision and instructions - Reporting</td>
<td></td>
</tr>
<tr>
<td>Administrative Officer:</td>
<td>Sandra Kotur Corliss, EMP/IAU</td>
<td>Email: <a href="mailto:koturcorliss@who.int">koturcorliss@who.int</a></td>
</tr>
<tr>
<td>For the purpose of:</td>
<td>Contractual and financial management of the contract</td>
<td></td>
</tr>
</tbody>
</table>
8. Characteristics of the Provider

Experience required
- Minimum of 10 years of relevant work experience in public health with at least 7 years of experience in antimicrobial resistance or related legal field;
- An in-depth understanding of the complexity of factors accelerating the emergence and spread of antimicrobial resistance in the human, animal and agriculture sectors and the global response; and
- A track record of peer reviewed publications on addressing the global challenge of antimicrobial resistance

Skills/ Technical skills and Knowledge
- Profound knowledge of antimicrobial resistance risk factors and stewardship measures required to mitigate the further emergence and spread;
- Understanding of the pharmaceutical supply chain;
- Ability to assess and articulate complex technical issues related to Antimicrobial Resistance; and
- Excellent writing skills

Language requirement
- English – proficient (reading, writing, speaking)

9. Place of assignment
Free to choose.

10. Travel
No travel is required.