



Workpackage 4 - Workshop

Integration and sustainability



Methodology and objectives

Proposals for priority actions

Next steps



WP4 deliverables



M30

D4.1 - Integration plan and sustainability strategy

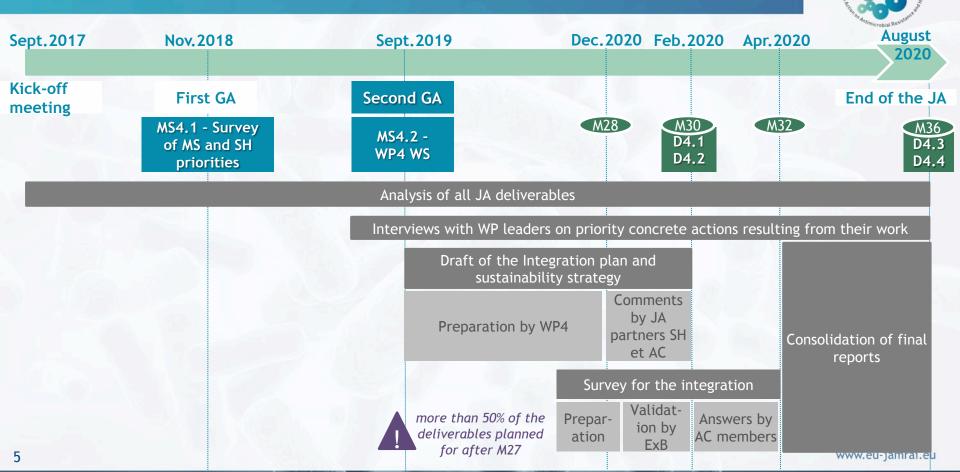
D4.2 - Interim report on integration plan

M36

D4.3 - Final report on integration plan

D4.3 - Report on sustainability plan

WP4 work - timelines and methodology



Workshop objectives



- ✓ Get your feedback on the priority concrete actions we selected
- ✓ Obtain your commitment to implement at regional/national/European level these actions
- √ Validate together the next steps



Themes	Number of actions
Generic actions	2
Communication and awareness	4
IPC	4
Stewardship	5
Surveillance	3
One Health and NAP	2
Research and innovation	4
TOTAL	24

Two different aspects



- **Integration**: uptake of the JA outputs at member states' level (national, local, regional) into, for example, national policies (NAP), national actions or programmes, by different actors (government, professionals...)
- Sustainability: strategy defining which JA elements/deliverables/results will be further developed, consolidated or run and by which entity/organisation this will/should be done



All actions could be conducted at different levels (regional/national/European) and by different bodies

Proposals for priority actions

Stakeholders: Do not hesitate to tell us if you want to participate in some actions!

Generic actions (1/4)



1. (SUSTAINABILITY) Hosting key documents produced by the JAMRAI on relevant websites

It is unlikely that the EU-JAMRAI will be able to update the JAMRAI website after the end of the Joint Action

Being able to access key documents (e.g. reports) is key to facilitate implementation of JAMRAI outputs



Generic actions (2/4)



1. (SUSTAINABILITY) Hosting key documents produced by the JAMRAI on relevant websites

Based on

MS4.1 Survey of MS and SH priorities

Link with the European Action Plan

Who and How

Who: Pilot: WP4

Partners: all interested

How: Please contact us with suggestions - WP leaders will help select the contents that are the most relevant, and the preferred targeted bodies (e.g. agencies, professional societies...)

www.eu-jamrai.eu

Generic actions (3/4)



2. (INTEGRATION and SUSTAINABILITY) Sharing best practices, experiences and tools / Networking

Sharing of best practices should be facilitated, between Member States, professionals... at national (e.g. national portal) and European level

This will facilitate the implementation of key JAMRAI outputs (integration) and its sustainability



Generic actions (4/4)



2. (INTEGRATION and SUSTAINABILITY) Sharing best practices, experiences and tools / Networking

Based on

Council Conclusions (14 June 2019) - n°35, 56, 57

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION 2.2 Better coordination and implementation of EU rules to tackle AMR Improve the coordination of Member States' One Health responses to AMR

Who and How

Who: All interested

How? Best practices portal, sharing patients' stories related to AMR and success stories of AMR-related interventions that have been successful

Community of practices, repository of tools and documents, training resources...

Networking events, contact lists

Directory of the official MS AMR website/webpage (One Health) ...

www.eu-jamrai.eu

Communication and awareness (1/8)



1. (INTEGRATION) Technical guide for countries on Communication and Awareness activities

Technical guide presenting tips for optimal Communication and Awareness activities (including social media), based on the WP8 outputs



Communication and awareness (2/8)



1. (INTEGRATION) Technical guide for countries on Communication and Awareness activities

Based on

WP8 - D8.1 Awareness and Communication Plan

WP8 - D8.4 Awareness and Communication High Level

Meeting

Council Conclusions (14 June 2019) - n°41

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION

2.1 Better evidence and awareness of the challenges

of AMRs

Increase awareness and understanding

Who and How

Who: ECDC?

How: Either:

- ECDC technical guide, including tips for social media, that might be especially promoted during EAAD
- The WP8 technical guide might be included on the ECDC Directory and promoted during EAAD

Communication and awareness (3/8)



2. (INTEGRATION) Implement journalists' webinars on AMR/HCAI

Using the WP8 experience



Communication and awareness (4/8)



2. (INTEGRATION) Implement journalists' webinars on AMR/HCAI

Based on

WP8 - MS8.3 European Webinar for Science and Health Communication journalists

Council Conclusions (14 June 2019) - n°41

How:

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION

2.1 Better evidence and awareness of the challenges of AMRs

Increase awareness and understanding

Who and How

Who: National competent bodies? Other?

WP8 will include recommendations on how to organise a webinar in its technical guide

Communication and awareness (5/8)



3. (INTEGRATION) Use the video game that will be produced

By WP8



Communication and awareness (6/8)



3. (INTEGRATION) Use the video game that will be produced

Based on

WP8 - D8.1 Awareness and Communication Plan

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION
2.1 Better evidence and awareness of the challenges

of AMRs

Increase awareness and understanding

Who and How

Who: All interested

How: WP 8 technical guide + link to the video game that could be posted on websites

Promotion could be encouraged during EAAD and WAAW

Communication and awareness (7/8)



4. (INTEGRATION) Promote the Antibiotic Resistance symbol that will be produced

By WP8



Communication and awareness (8/8)



4. (INTEGRATION) Promote the Antibiotic Resistance symbol that will be produced

Based on

WP8 - D8.2 European Prize: AMR Symbol

Link with the European Action Plan

- 2 MAKING THE EU A BEST PRACTICE REGION
- 2.1 Better evidence and awareness of the challenges of AMRs

Increase awareness and understanding

Who and How

Who: All interested

How: Link to the content that could be posted on websites - Promotion could be encouraged during EAAD and WAAW

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Infection Prevention and Control (1/8)



1. (INTEGRATION) Encourage adoption of an IPC framework and use an implementation model for IPC

Based on WP6 outputs (e.g. Universal IPC Framework)



Infection Prevention and Control (2/8)



1. (INTEGRATION) Encourage adoption of an IPC framework and use an implementation model for IPC

Based on

D6.1, Revised guidelines for the implementation of infection control program in healthcare settings / D6.3 Report on experience from country teams of introducing and working with the implementation model / MS6.1.3 Initial presentation of Universal Infection Control Framework / Council Conclusions (14 June 2019) - n°36,37

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION
2.3 Better prevention and control of AMR
Strengthen infection prevention and control measures

Who and How

Who: Member States, professional bodies, others?

How: regulation, training...

Infection Prevention and Control (1/8)



2. (SUSTAINABILITY) Core elements of IPC programmes at national and facility level (hospitals, community and nursing homes) adapted to Europe

Develop, using already published resources (WHO, JAMRAI, literature...) and a structured consensus procedure, such core elements for European countries



Infection Prevention and Control (2/8)



2. (SUSTAINABILITY) Core elements of IPC programmes at national and facility level (hospitals, community and nursing homes) adapted to Europe

Based on

D6.1 Revised guidelines for the implementation of infection control program in healthcare settings / D6.3 Report on experience from country teams of introducing and working with the implementation model / MS6.1.3 Initial presentation of Universal Infection Control Framework / Council Conclusions (14 June 2019) - n°36,37

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION
2.3 Better prevention and control of AMR
Strengthen infection prevention and control measures

Who and How

Who: European agency? Professional body?

How: Review followed by a consensus procedure, involving all MS. These core elements will represent a set of structure/process/outcome indicators (+ targets), that could be used both at national and European level (e.g. the TATFAR indicators developed for antimicrobial stewardship programmes: https://www.cdc.gov/drugresistance/pdf/TATFAR_Rec1-FinalReport_2015.pdf)

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Infection Prevention and Control (5/8)



3. (SUSTAINABILITY) Core competencies on IPC for the undergraduate and postgraduate training of healthcare professionals and hospital administrators

Examples of core competencies:

- https://ecdc.europa.eu/sites/portal/files/media/en/publications/Publications/infection-control-core-competencies.pdf
- https://www.clinicalmicrobiologyandinfection.com/article/S1198-743X(18)30662-1/fulltext
- https://www.who.int/hrh/resources/WHO-HIS-HWF-AMR-2018.1/en/



Infection Prevention and Control (6/8)



3. (SUSTAINABILITY) Core competencies on IPC for the undergraduate and postgraduate training of healthcare professionals and hospital administrators

Based on

D6.1

MS6.1.3

Council Conclusions (14 June 2019) - n°31, 36, 37

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION

2.2 Better coordination and implementation of EU rules to tackle AMR

Better implementation of EU rules

 $2.3\ Better\ prevention\ and\ control\ of\ AMR$

Strengthen infection prevention and control measures

Who and How

Who: Professional societies? European agency?

How: On the model of existing core competencies, using JAMRAI outputs

Review + consensus procedure involving all MS

Infection Prevention and Control (7/8)



4. (SUSTAINABILITY) Develop mentorship and observership programmes for IPC in all settings

Mentorship: an IPC team member needing advice can be supervised by a more expert IPC person

Observership: an IPC team member needing practical training can visit another more expert facility during a certain period of time

Cross-training (AMS/IPC) possible according to national context



Infection Prevention and Control (8/8)



4. (SUSTAINABILITY) Develop mentorship and observership programmes for IPC in all settings

Based on

Council Conclusions (14 June 2019) - n°36,37

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION
2.3 Better prevention and control of AMR
Strengthen infection prevention and control measures

Who and How Who: Professional societies / bodies?

Cf. previous generic action (INTEGRATION and SUSTAINABILITY) Sharing best practices, experiences and tools / Networking

Antimicrobial stewardship (1/10)



1. (SUSTAINABILITY) Mapping of the different guidelines, tools and implementation methods of antimicrobial stewardship in the different levels of health care

By WP7



Antimicrobial stewardship (2/10)



1. (SUSTAINABILITY) Mapping of the different guidelines, tools and implementation methods of antimicrobial stewardship in the different levels of health care

Based on

D7.1 Website with evaluated tools and information

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION 2.3 Better prevention and control of AMR Promote the prudent use of antimicrobials

Who and How Cf. previous generic action (INTEGRATION: Hosting key documents produced by the JAMRAI on relevant websites)

Antimicrobial stewardship (2/10)



2. (INTEGRATION) Implement AMS core elements and use an implementation model for AMS

Based on WP7 outputs (e.g. recommendations on core components needed for AMS implementation) and other existing resources (guidelines, literature)



Antimicrobial stewardship (2/10)



2. (INTEGRATION) Implement AMS core elements and use an implementation model for AMS

Based on

D7.2 Report on workshop of models for implementation of stewardship tools D7.3

Council Conclusions (14 June 2019) - n°36,37

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION

2.3 Better prevention and control of AMR Strengthen infection prevention and control measures

Who and How

Who: Member States, professional bodies, others?

How: regulation, training...

Antimicrobial stewardship (3/10)



3. (SUSTAINABILITY) Core elements of AMS programmes at national and facility level (hospitals, community and nursing homes; veterinarians and farmers), for European countries

Develop, using already published resources (WHO, JAMRAI, literature...) and a structured consensus procedure, such core elements for European countries (including staffing standards)



Antimicrobial stewardship (4/10)



3. (SUSTAINABILITY) Core elements of AMS programmes at national and facility level (hospitals, community and nursing homes), for European countries

Based on

D7.2 Report on workshop of models for implementation of stewardship tools D7.3

Council Conclusions (14 June 2019) - n°36,37

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION 2.3 Better prevention and control of AMR

Promote the prudent use of antimicrobials

Who and

Who: European agency? Professional body?

How: Review followed by a consensus procedure, involving all MS. These core elements will represent a set of structure/process/outcome indicators (+ targets), that could be used both at national and European level (and would update the TATFAR indicators)

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Antimicrobial stewardship (7/10)



4. (SUSTAINABILITY) Develop core competencies on AMS for AMS teams, for the undergraduate and postgraduate training of non-prescribers, and for hospital administrators, farmers and veterinarians

Examples of core competencies:

- https://ecdc.europa.eu/sites/portal/files/media/en/publications/Publications/infection-control-core-competencies.pdf
- https://www.clinicalmicrobiologyandinfection.com/article/S1198-743X(18)30662-1/fulltext
- https://www.who.int/hrh/resources/WHO-HIS-HWF-AMR-2018.1/en/



Antimicrobial stewardship (8/10)



4. (SUSTAINABILITY) Develop core competencies on AMS for AMS teams, for the undergraduate and postgraduate training of non-prescribers, and for hospital administrators, farmers and veterinarians

Based on

D7.2, D7.3 Council Conclusions (14 June 2019) - n°31, 36, 37 Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION 2.2 Better coordination and implementation of EU

rules to tackle AMR

Better implementation of EU rules

2.3 Better prevention and control of AMR *Promote the prudent use of antimicrobials*

Who and How

Who: Professional societies? European agency?

How: On the model of existing core competencies, using JAMRAI outputs

Review + consensus procedure involving all MS

Antimicrobial stewardship (9/10)



5. Develop mentorship and observership programmes for AMS in all settings

Mentorship: an AMS team member needing advice can be supervised by a more expert AMS person

Observership: an AMS team member needing practical training can visit another more expert facility during a certain period of time

Cross-training (AMS/IPC) possible according to national context



Antimicrobial stewardship (10/10)



5. Develop mentorship and observership programmes for AMS in all settings

Based on

Council Conclusions (14 June 2019) - n°36,37

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION 2.3 Better prevention and control of AMR Promote the prudent use of antimicrobials

Who and How Who: Professional societies / bodies?

Cf. previous generic action (INTEGRATION and SUSTAINABILITY) Sharing best practices, experiences and tools / Networking

Surveillance (1/6)



1. (INTEGRATION) Use of the JAMRAI (or similar) tool on consumption and resistance

WP7 output



Surveillance (2/6)



1. (INTEGRATION) Use of the JAMRAI (or similar) tool on consumption and resistance

Based on

D7.2 Report on workshop of models for implementation of stewardship tools

Council Conclusions (14 June 2019) - n°42

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION

2.1 Better evidence and awareness of the challenges of AMRs

Strengthen One Health surveillance and reporting of AMR and antimicrobial use

Who and How

Who: European agency? Others?

How: Based on the WP7 work (free tool + tutorial)

Resources hosted on the European agency website and use by MS encouraged

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Surveillance (3/6)



2. (INTEGRATION) Surveillance of AMR in diseased animals

WP7 output

Surveillance (4/6)



2. (INTEGRATION) Surveillance of AMR in diseased animals

Based on

WP7 output

Council Conclusions (14 June 2019) - n°xx

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION

2.1 Better evidence and awareness of the challenges of AMRs

Strengthen One Health surveillance and reporting of AMR and antimicrobial use

Who and How

Who: European agency (EFSA?)

How:

Surveillance (5/6)



3. (SUSTAINABILITY) Indicators and targets to monitor progress on the AMR European action plan / national action plans

Develop, using already published resources (WHO/OIE/FAO, European agencies, JAMRAI, literature...) and a structured consensus procedure, a set of indicators + targets (quality indicators, proxy indicators, quantity metrics / antimicrobial use and resistance) that could be used both at national and European level to monitor progress on the AMR European action plan / national action plans



Surveillance (6/6)



3. (SUSTAINABILITY) Indicators and targets to monitor progress on the AMR European action plan / national action plans

Based on

WP7 outputs

Council Conclusions (14 June 2019) - n°42

How:

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION

2.1 Better evidence and awareness of the challenges of AMRs

Benefit from the best evidence-based analysis and data

Who and How

Who: European agencies?

Review and consensus procedure involving all MS

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One Health and NAP (1/4)



1. (INTEGRATION & SUSTAINABILITY) Technical guide and tools to prepare and conduct an effective country to country visit

WP5 output



One Health and NAP (2/4)



1. (INTEGRATION & SUSTAINABILITY) Technical guide and tools to prepare and conduct an effective country to country visit

Based on

WP5 - D5.1 Tool for country self-assessments

Council Conclusions (14 June 2019) - n°35

Link with the European Action Plan

4 SHAPING THE GLOBAL AGENDA

4.2 Stronger bilateral partnerships for stronger cooperation

Who and How

Who: WP5 and the One Health Network (OHN)? WHO-Europe?

How: WP5 will prepare documents

Specific budget at EU level to conduct these country-to-country visits?

One Health and NAP (3/4)



2. (SUSTAINABILITY) Maintain and use the network of supervisory bodies to share best practices between MS



One Health and NAP (4/4)



2. (SUSTAINABILITY) Maintain and use the network of supervisory bodies to share best practices between MS

Based on

WP5

Council Conclusions (14 June 2019) - n°35

Link with the European Action Plan

4 SHAPING THE GLOBAL AGENDA

4.2 Stronger bilateral partnerships for stronger cooperation

Who and How

Who: WP5 and the One Health Network (OHN)?

How: Specific budget at EU level?

Research and innovation (1/8)



1. (INTEGRATION) Share gap analysis at EU level, to influence the research strategic agenda and future research activities

WP9 output



Research and innovation (2/8)



1. (INTEGRATION) Share gap analysis at EU level, to influence the research strategic agenda and future research activities

Based on

WP9 Milestone 9.1: Gathering of national research priorities from at least five countries and gap identification

Link with the European Action Plan

3 BOOSTING RESEARCH, DEVELOPMENT AND INNOVATION ON AMR

Who and How

Who: WP9?

How: Share their report with the EU and all stakeholders

Research and innovation (3/8)



2. (SUSTAINABILITY) Ensuring availability and improved use of existing antibiotics



Research and innovation (4/8)



2. (SUSTAINABILITY) Ensuring availability and improved use of existing antibiotics

Based on

Council Conclusions (14 June 2019) - n°20, 43, 46

Link with the European Action Plan

2 MAKING THE EU A BEST PRACTICE REGION 2.5 A stronger partnership against AMR and better availability of antimicrobials

Who and How

Who: Member states and EC

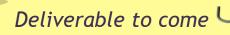
How: Dedicated MS group at EU level, sharing experiences and collaborating on a voluntary basis

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Research and innovation (5/8)



3. (SUSTAINABILITY) Boosting innovation



Research and innovation (6/8)



3. (SUSTAINABILITY) Boosting innovation

Based on

MS4.1 Survey of MS and SH priorities

WP9 output

Council Conclusions (14 June 2019) - n°21, 44, 46, 47

Link with the European Action Plan

3 BOOSTING RESEARCH, DEVELOPMENT AND INNOVATION ON AMR

3.5 Develop new economic models and incentives

Who and How

Who: Member states and EC

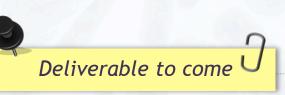
How: Dedicated MS group at EU level, sharing experiences and collaborating on a voluntary basis

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Research and innovation (7/8)



4. (INTEGRATION) Assist with evidence-based policymaking



Research and innovation (8/8)



4. (INTEGRATION) Assist with evidence-based policymaking

Based on

MS4.1 Survey of MS and SH priorities

WP9 output

Council Conclusions (14 June 2019) - n°xx

Link with the European Action Plan

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Who and How

Who: European body?

How: Promote the resources that will be developed by WP9 among MS

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Any priority action we may have missed?







Next steps



- Adjust WP4 plan based on your feedback during this workshop
- Work with bodies identified as "lead" on a practical implementation plan
- Write the integration plan and sustainability strategy report

- M30 : D4.1	Integration plan and sustainability strategy
- M30: D4.2	Interim report on integration plan
- M36: D4.3	Final report on integration plan
- M36: D4.4	Report on sustainability plan

- Validation step for the D4.1, with review by the AC members, SH and WP leaders

 → Draft made public on the EU-JAMRAI website, early December 2019 (M28)
- Survey sent to the member states on the integration around M30, in collaboration with the WP3

Implementation plan form - Proposal



- Title / Integration or Sustainability
- Description of the work to be performed
- Based on
- European Action Plan and WHO global action plan items
- Pilot(s)
- Partners
- How
- Monitoring and Evaluation Indicators
- Timelines

Thank you!

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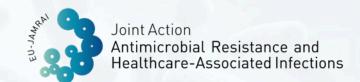
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