SORMAS Foundation & ITK Engineering





12 April 2023



The Surveillance, Outbreak Response Management and Analysis System (SORMAS)

Relevant technical features





Open-source software (does not depend on licenses)



Web and App (synchronized) versions, online and offline use



Real-time data transfer



User-specific access





Multilingual

Laboratory module



Automatic document generation (e.g. certificates)



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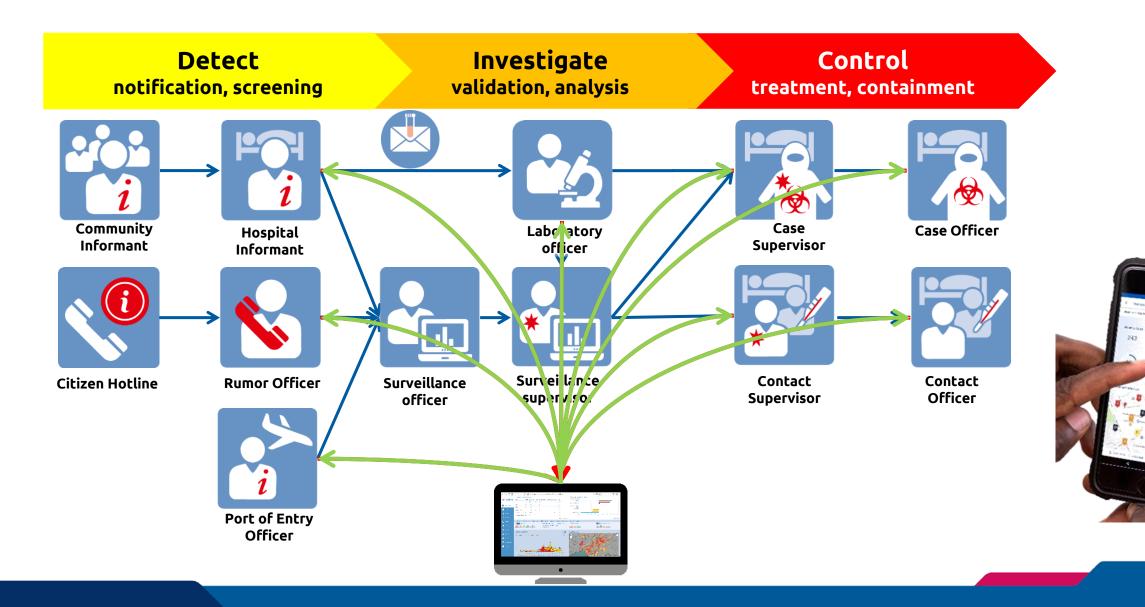


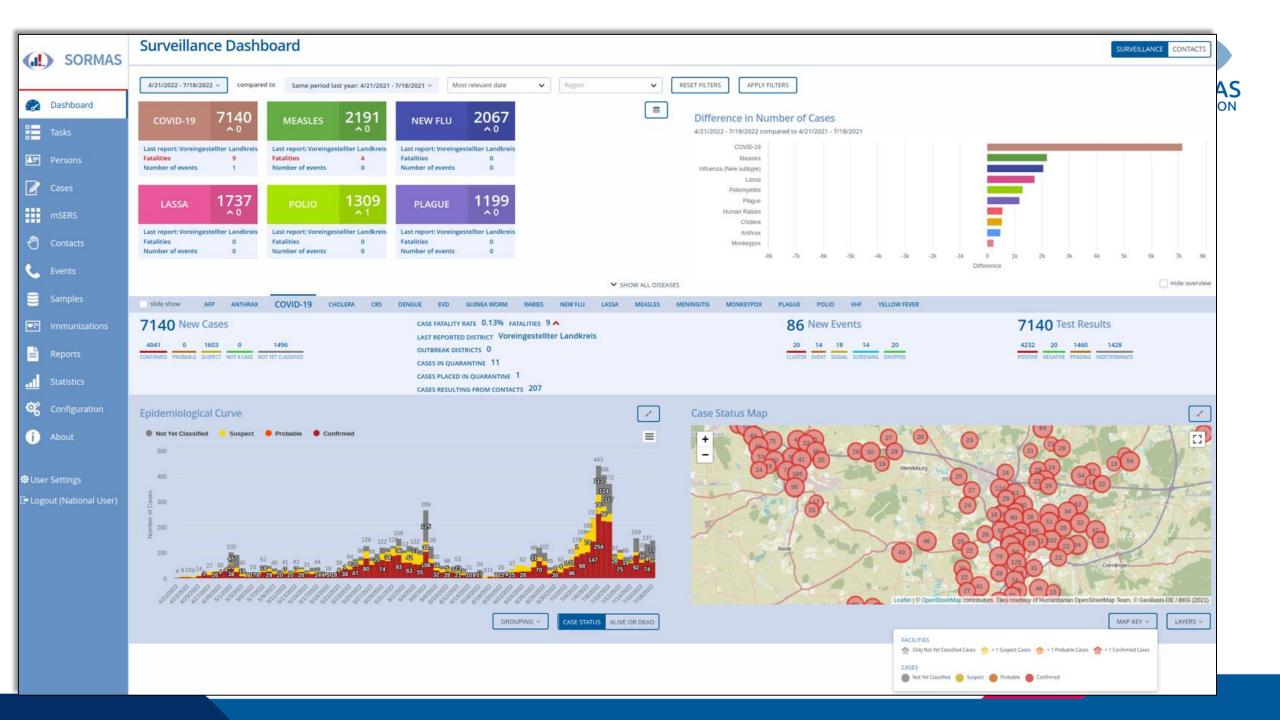


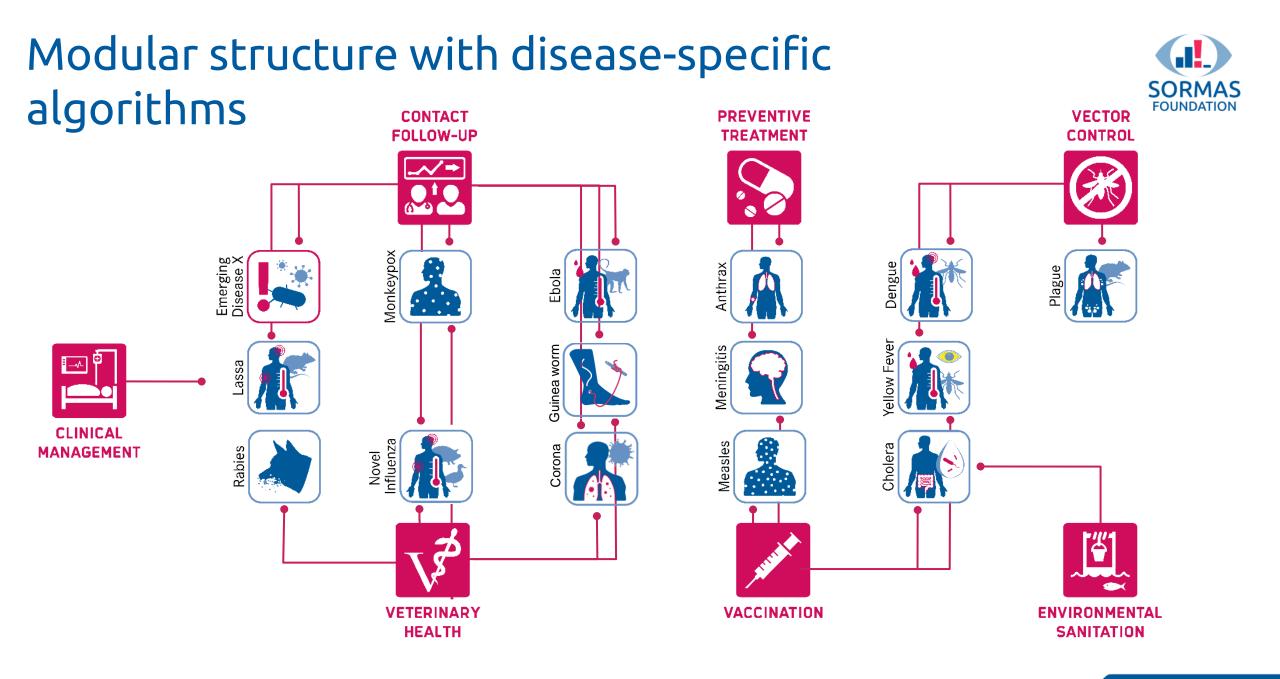
Cross-border data transfer

Response Management in SORMAS



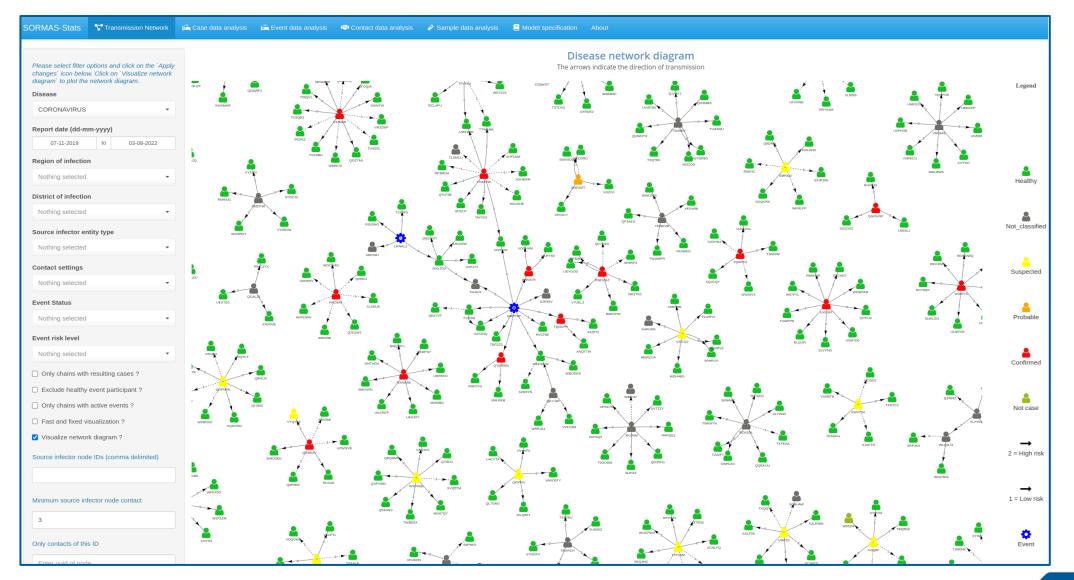






Infection chains visualization





Benchmarking

- SORMAS, first tool worldwide to fulfill the **Digital Health Global Goods** Maturity Assessment (Digital Square 2019)
- SORMAS selected as one of 9 digital systems for COVID-19 (Johns Hopkins University 2020)
- SORMAS selected as one **3 digital surveillance systems for Africa** (US CDC 2020)
- 3 tools repeatedly in **top selection in multiple systematic reviews** (Silenou et al 2021, Yavlinksy et al 2020, Tom-Aba et al 2018)







A software for disease surveillance and outbreak response

Insights from implementing SORMAS in Nigeria and Ghana A publication in the German Health Practice Collection



Digital Solutions for COVID-19 Response

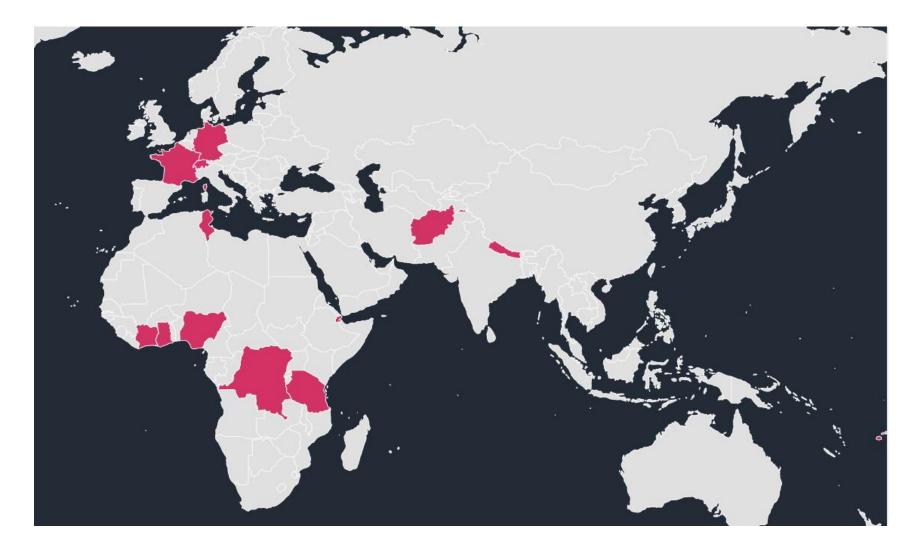
An assessment of digital tools for rapid scale-up for case management and contact tracing

JOHNS HOPKINS

Johns Hopkins Bloomberg School of Public Health JHU Global mHealth Initiative

SORMAS used in over 10 countries worldwide



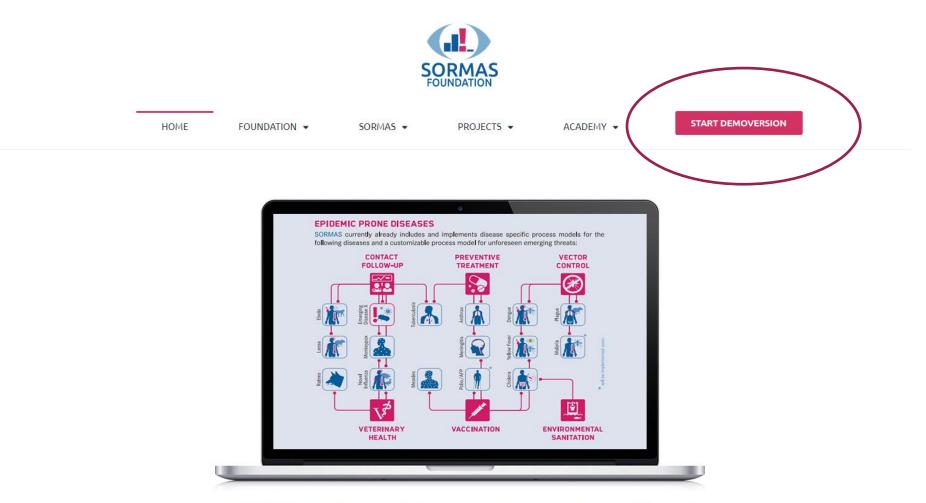


Afghanistan Democratic Republic of Congo Djibouti Fiji France Germany Ghana Ivory Coast Nepal Nigeria Switzerland Tanzania Tunisia Luxemburg

In preparation ECOWAS Region IGAD Region

SORMAS demo: www.sormas.org





SORMAS.The real-time software for outbreak and epidemic surveillance. **We're all about fighting epidemics.**



SORMAS Foundation



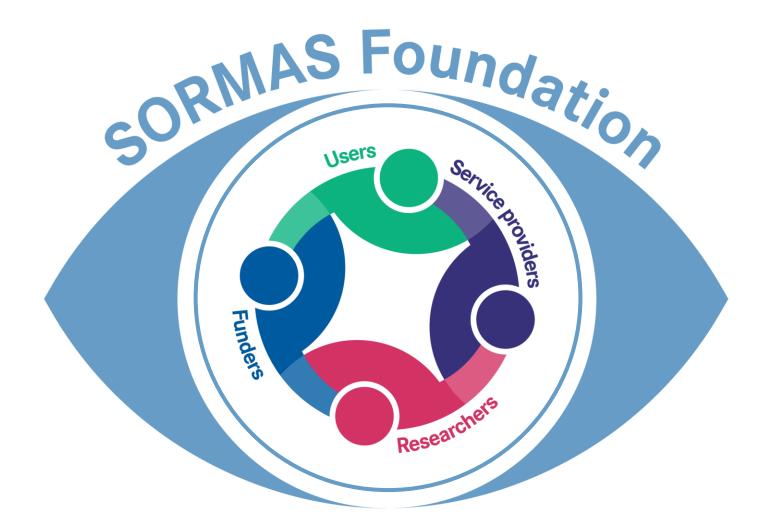
The SORMAS Foundation

Value proposition

We support local, national and international organisations in the development and implementation of SORMAS and other digital open-source systems for disease prevention and control.

SORMAS ecosystem





Areas of work





Software curation

- Moderation and quality assurance of contributions
- Definition Roadmap



SORMAS Academy

- Training of personnel at the health departments
- Accreditation service providers



Support

- Needs assessment
- Follow-up and advice during implementation



Community Building

- Facilitation of the Community of Practice (CoP) exchange
- Community engagement (e.g. conferences, hackathons, user forums)



ITK Engineering

ITK ENGINEERING

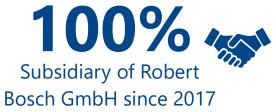




Dr. Frank Schmidt CEO

Jens Hofmann CFO







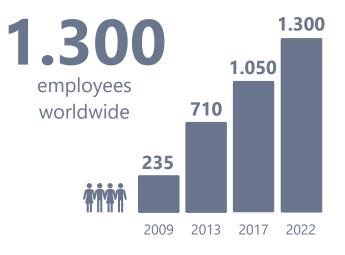
Offices in Germany

Ruelzheim | Berlin | Holzkirchen | Ingolstadt | Stuttgart | Frankfurt | Lollar | Cologne | Braunschweig | Friedrichshafen



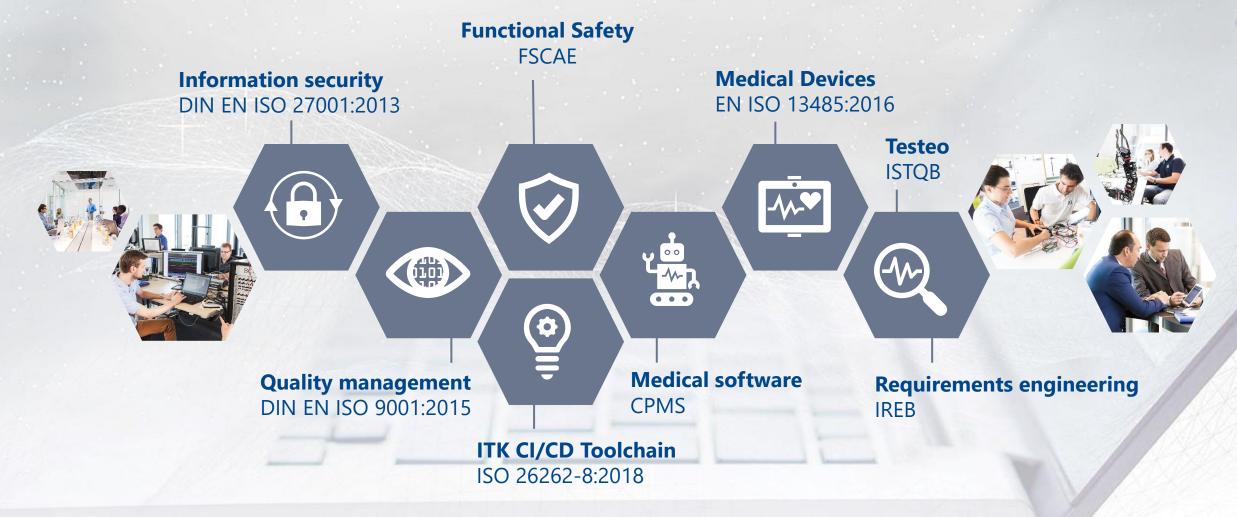
>25 years

of experience in custom systems and computer engineering in multiple industries



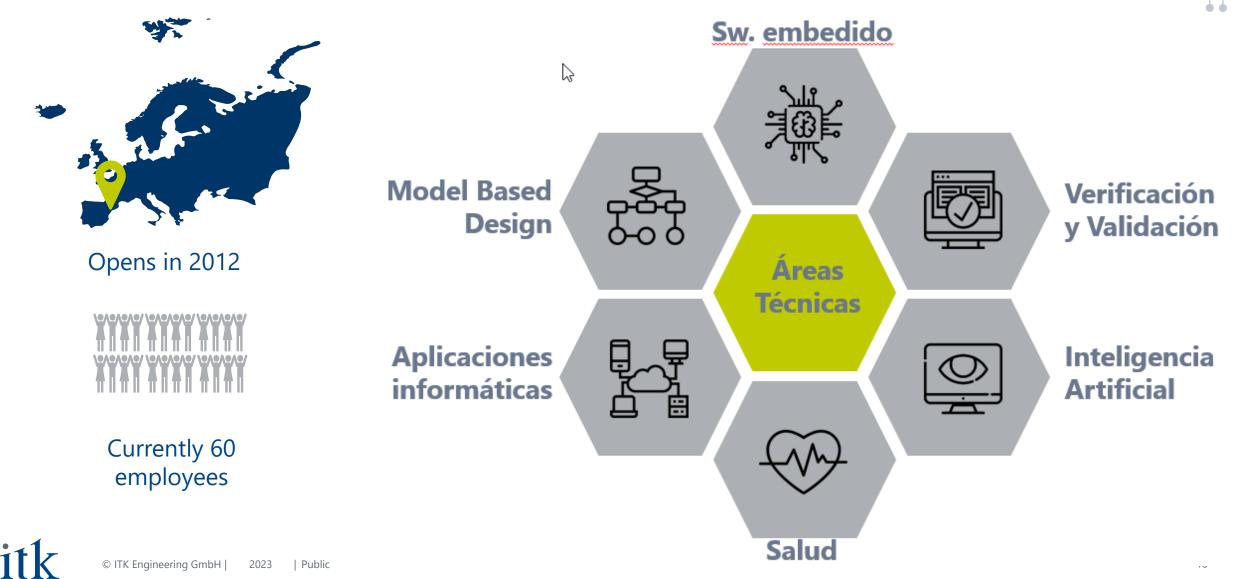


FROM INCEPTION TO PRODUCT CERTIFICATIONS





ITK ENGINEERING ENGINEERING CENTER IN BARCELONA





Proposal for RaDAR

Addressing RaDAR's needs





Rapid & Accurate Detection

Identification of the microorganism, genotype and/or resistance phenotype

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Where to incorporate the solution? Point of Care / Laboratory / Primary Care

Easy to incorporate into the routines of professionals PoC: confirmation and control by central laboratories -Network system



integrated solution

<u>n</u> Smart AMR Management

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Transfer detection results to the right people in 'real time' in a way that elicits a prompt and informed response



Be integrated within the organisations' clinical and AMR management workflow, and interface with existing IT systems

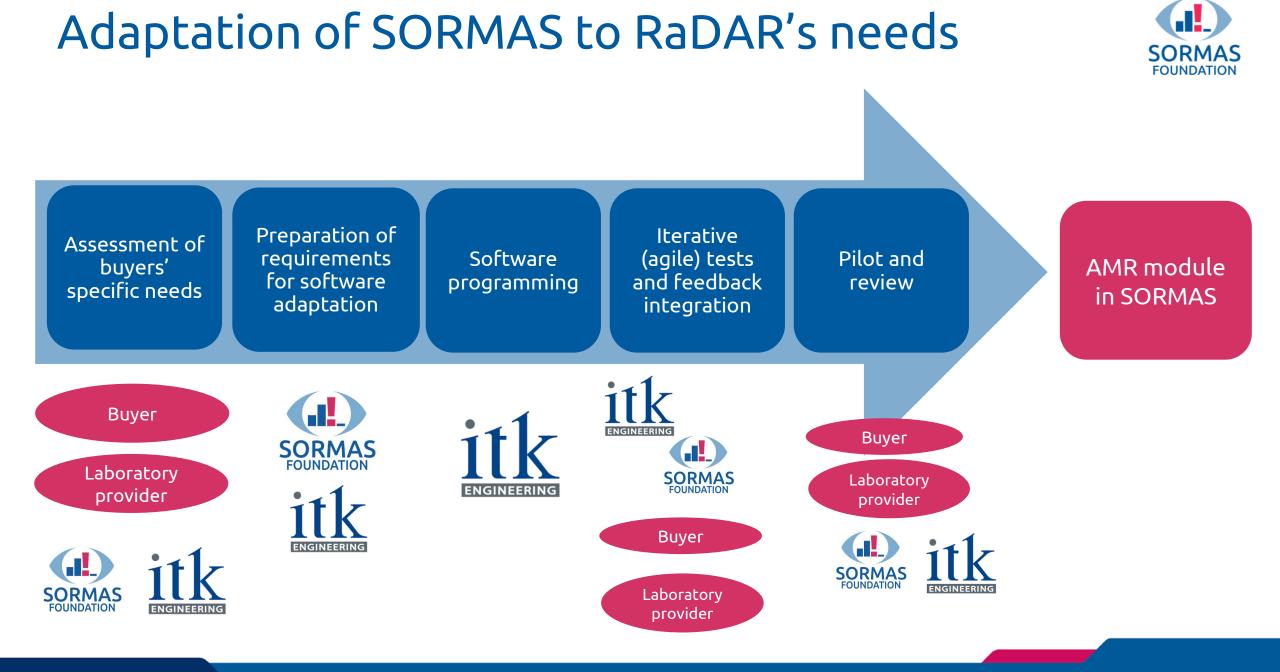


Facilitate decision making - Improve management Clinicians / Infection control teams Microbiology labs

Smart AMR Management & SORMAS

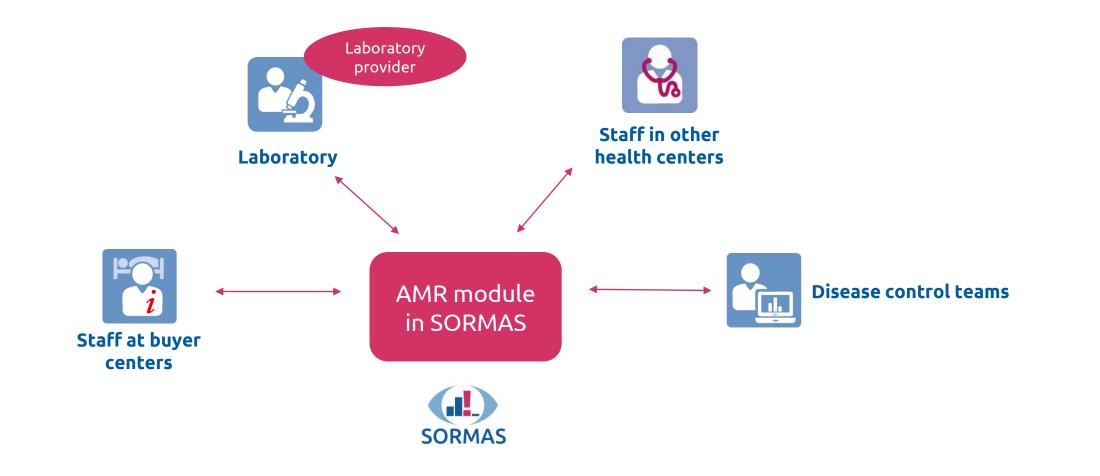


	Requirements	In SORMAS already available	
1	Transfer detection results to the right people in 'real time' in a way that elicits a prompt and informed response	Real-time data transferUser-based access to the platform	AMR module in SORMAS
2	Be integrated within the organizations' clinical and AMR management workflow, and interface with existing IT systems	 Integrated and accessible information in a single system Task-manager that allows assignment of tasks between users Interconnectivity with other IT systems (e.g. via API) 	
3	Facilitate decision making - Improve management Clinicians / Infection control teams Microbiology labs	 Results visualization (dashboard) Analysis of the information obtained (statistics) 	



AMR module in SORMAS





Contact



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