

ZEPAI

Center for Pandemic Vaccines
and Therapeutics at Paul-Ehrlich-Institut

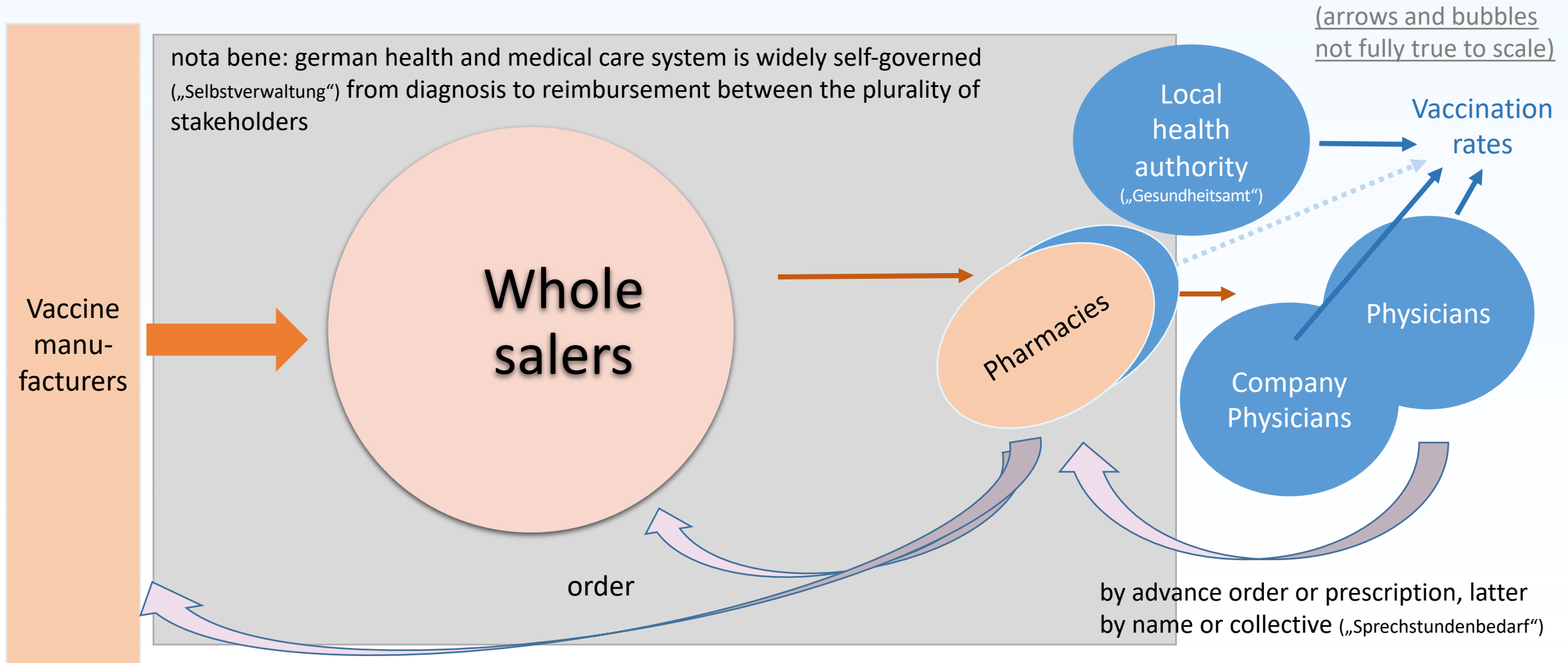
Organization of vaccine logistics against COVID-19: the German example

Dr. Alexandros Liakos | Head of Distribution

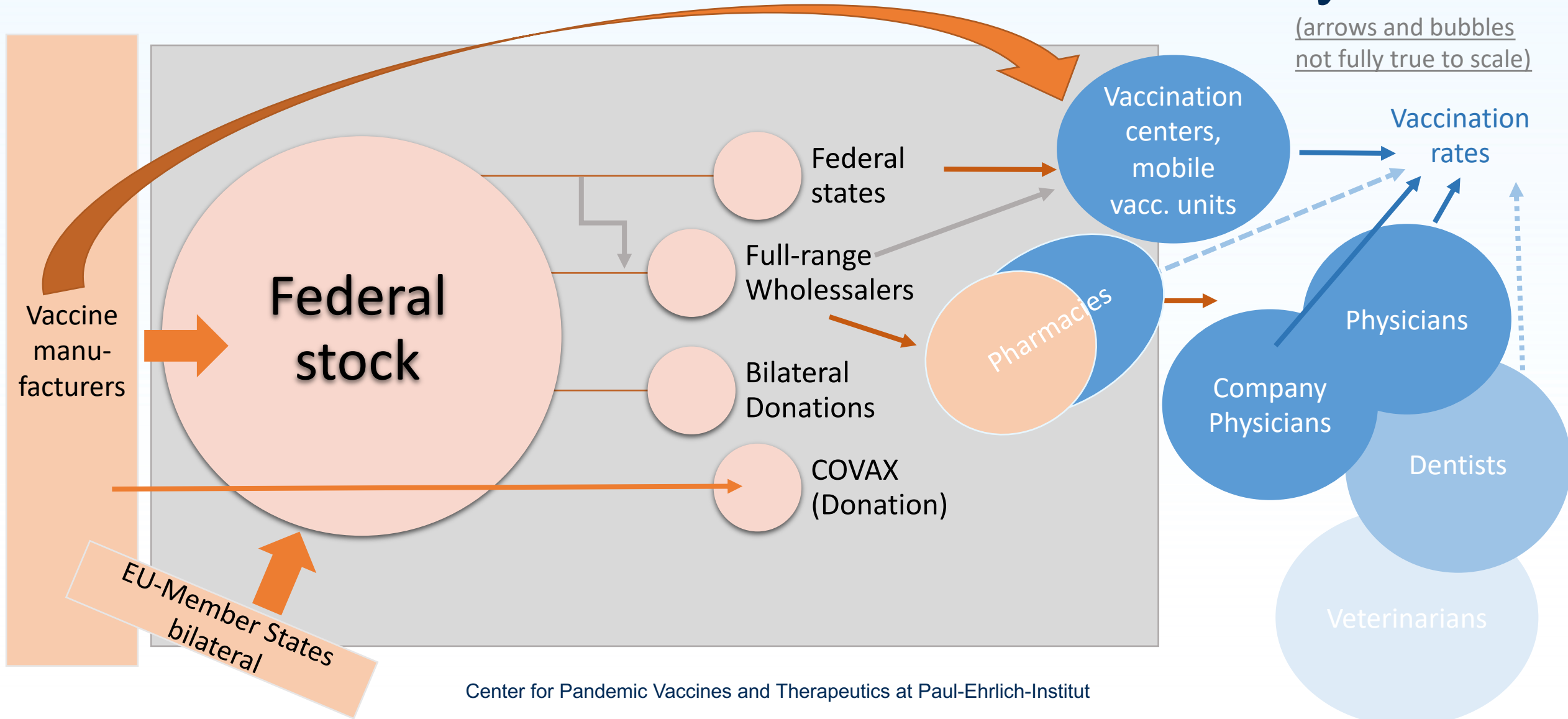


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I have no conflict of interest to declare regarding the current presentation.

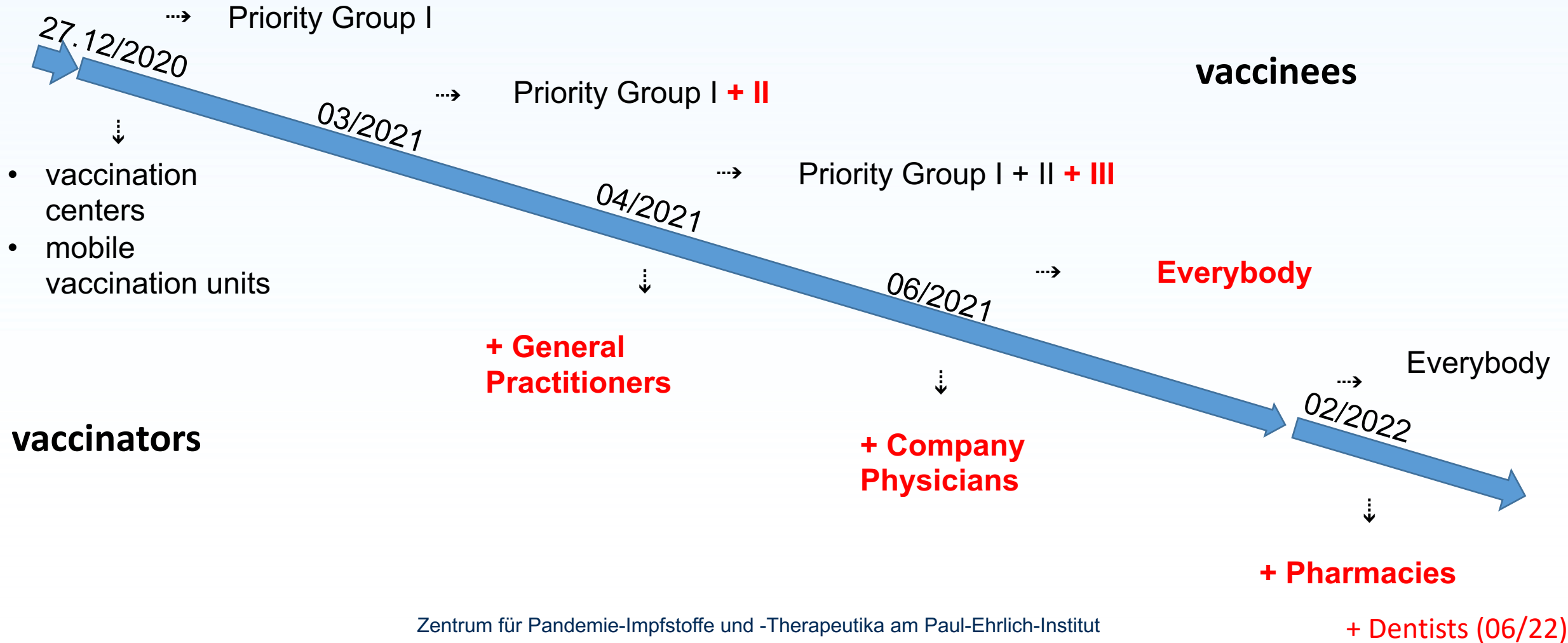
Usual Vaccine Distribution in Germany



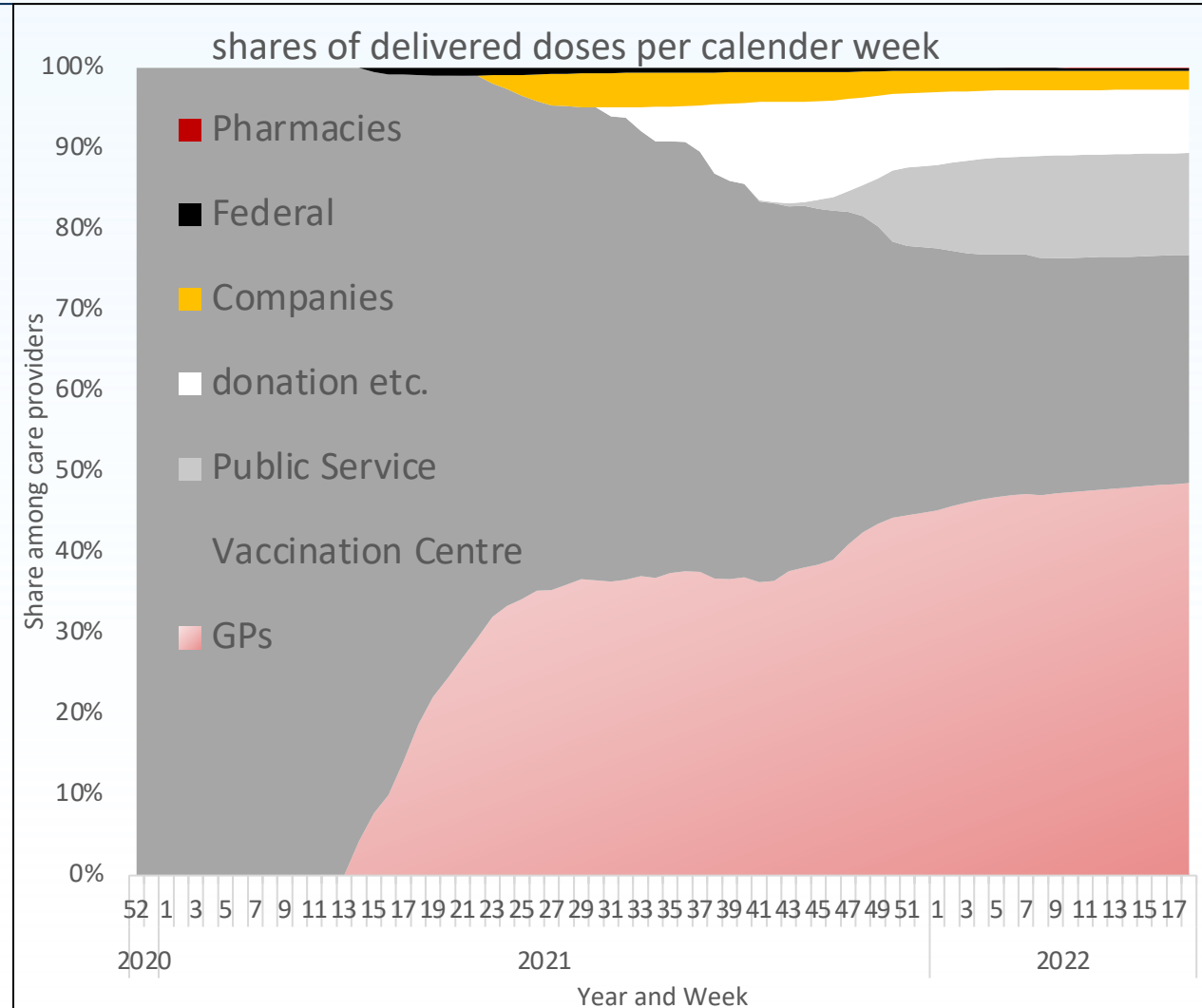
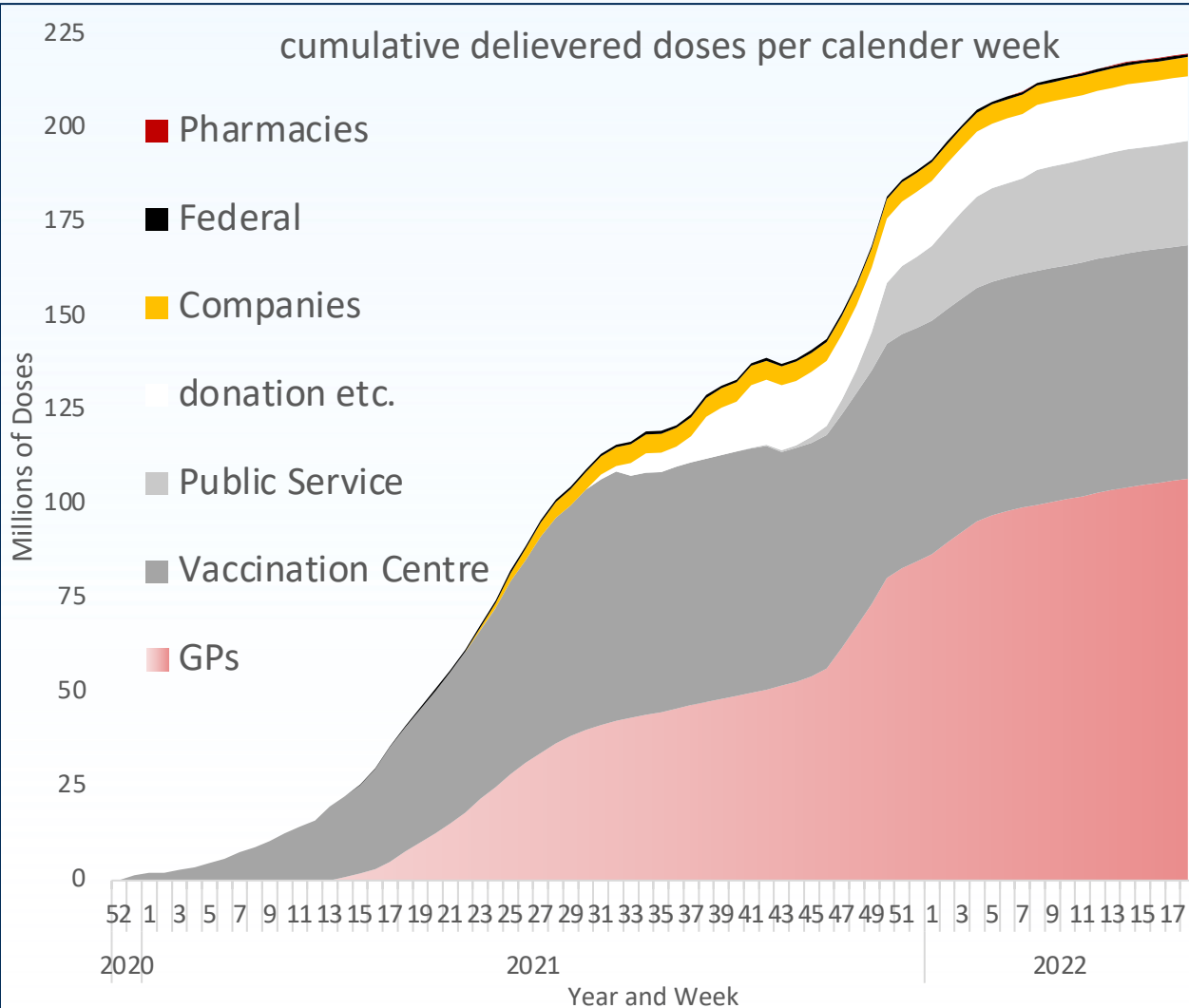
COVID19 Vaccine Distribution in Germany



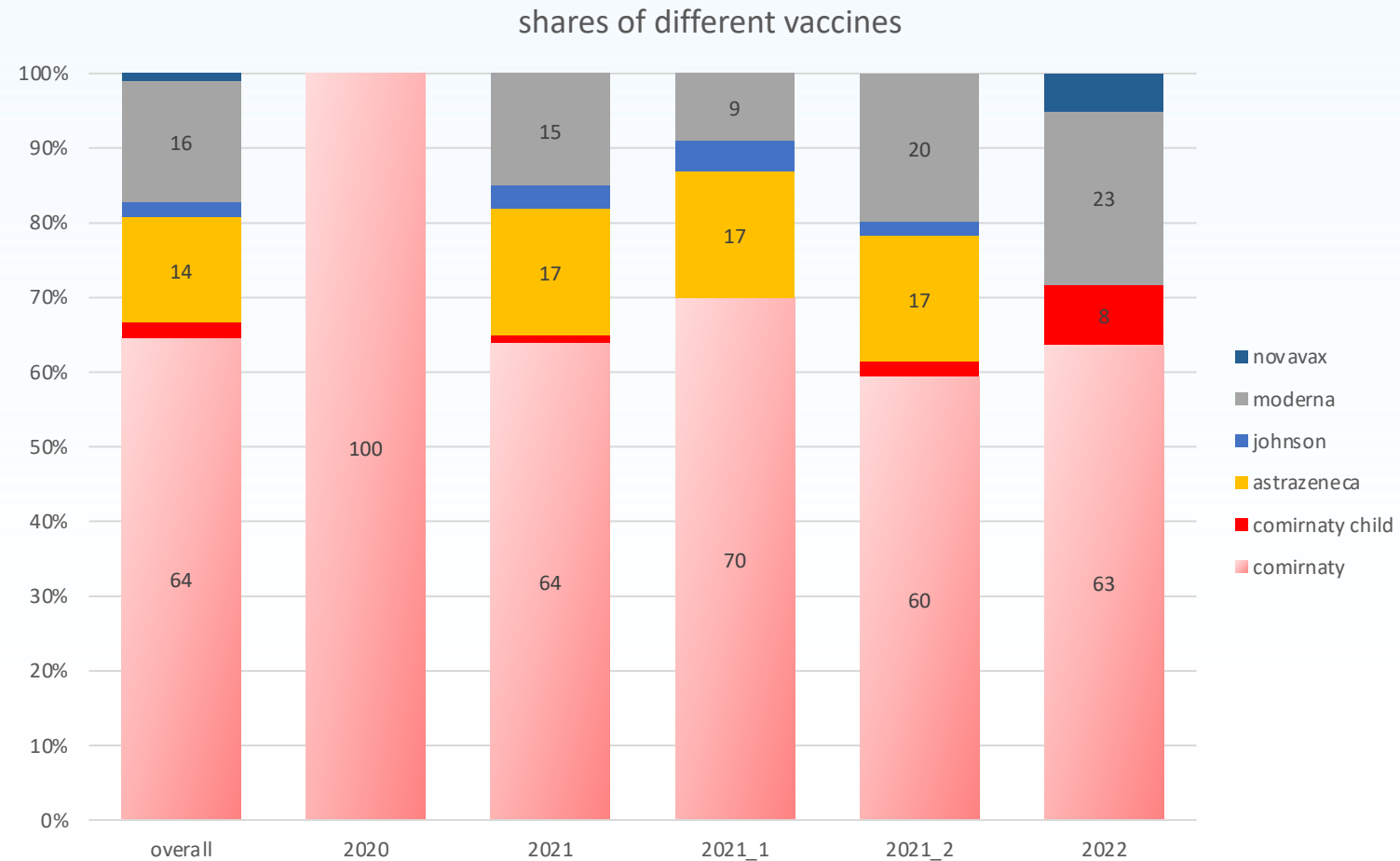
Vaccination Campaign Milestones



Some own data...



Some (more) own data...

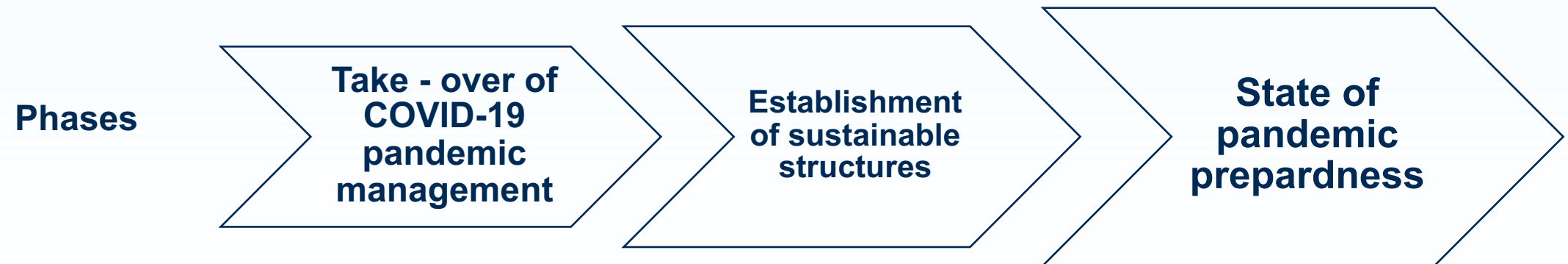


ZEPAI is a response to pandemic lessons....

- **Challenging necessity of central vaccine purchase, as well as the national clearing, storage and distribution**
- Need for **central** operative task force with **experts** in procurement, tenders and distribution for **quick** reactions in future pandemics:
 - appropriate preparedness **infrastructure** (upscaling of production capacities in Germany)
 - **crisis-adapted** vaccine distribution system (regular mechanisms deemed not suitable)
 - **orchestrated** monitoring of nationwide distribution of vaccines to avoid fragmentation of processes, data collections and multiple actors
 - **communication** is key and established communication channels are more reliable

Mission of ZEPAI

- Creating and providing infrastructure to ensure rapid vaccine and therapeutics development, production and **distribution** in the event of a pandemic.



Response #1: Communication and Networking

- Initiation of collaborations with pandemic-relevant public institutions and private companies at both national and international levels
- Establishment of robust lines of communication with national and international stakeholders

EU/International

HERA



COVAX



CEPI



(e.g.)

National



ROBERT KOCH INSTITUT



ABDA



Response #2: Building Expertise

- Building an interdisciplinary pool of experts as a central resource
- Multidisciplinary expertise covering the entire spectrum of pandemic-relevant disciplines
- Central advisory unit for pandemic preparedness and response with vaccines and therapeutics
- Agile organization and management

Response #3: Digitalization

- Establishing digital data collection and monitoring structures to facilitate an effective and targeted procurement, storage and distribution of vaccines and therapeutics
- Integration of previously fragmented data bases to improve efficiency and coordination
- Management and optimization of planning and logistics for pandemic vaccines and therapeutics

ZEPAI is learning and adapting processes in the national Covid-19 vaccine distribution process

December 2021

Initiation Phase

- analysis of status quo
- description of tasks, processes and responsibilities

January and February 2022

Development Phase

- Description of future vaccine distribution setup
- Process definition through workshops

March 2022

Integration Phase

- On-Site training by German Armed Forces
- Coordination of incoming and outgoing goods
- Close accompaniment of ramp-up for new storage and transport service providers

continuous development and optimization of processes

ZEPAI is gradually taking over responsibilities in the national Covid-19 vaccine distribution process

April 2022

Inclusion Phase

- Communication
- Deviation Management
- Build Up Control Tower

May 2022

Go Live

- responsibility for vaccine distribution
- active coordination of logistics

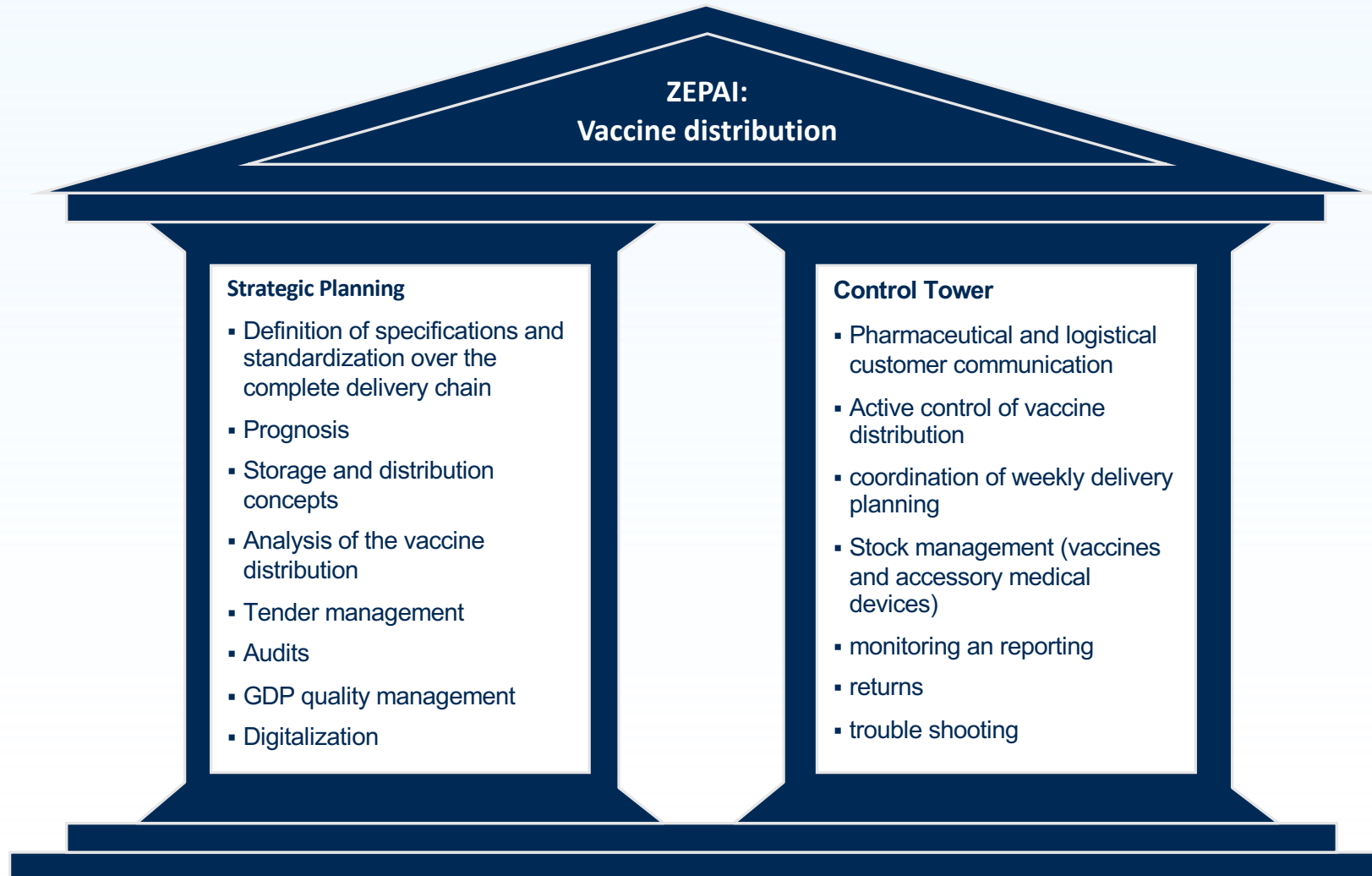
Juni 2022 et seq.

further and upcoming issues

- demand planning
- reporting system
- implementation of integrative digital solutions
- Roll-out stakeholder management
- Purchase

continuous development and optimization of processes

Two Pillar-Model: strategic planning and operations



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Thank you for your attention

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