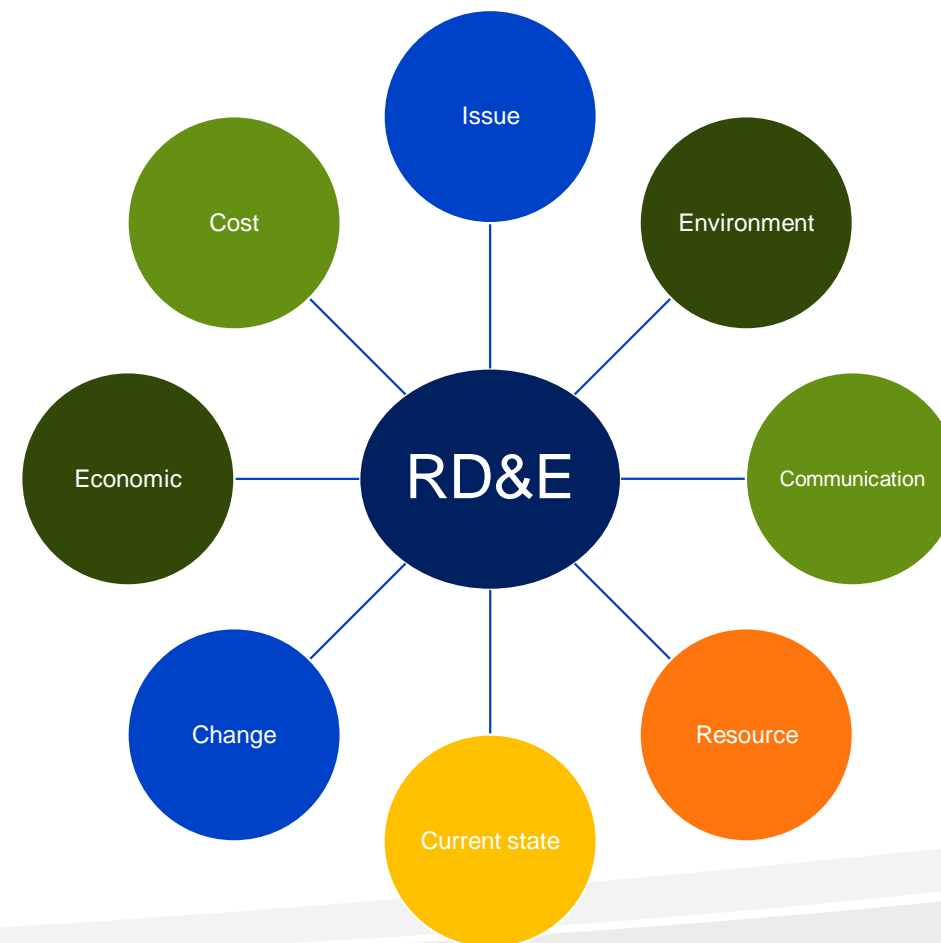




# RD&E Overview

Dr Richard Trivett

LERDAC Chairman

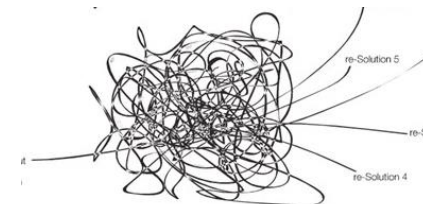


# Purpose and aim of RD&E

To support and enable continuous improvement and innovation and enhance productivity and sustainability through systematic, targeted, consistent, effective and transparent research

## Key strategies that form the basis of the livestock export industry RD&E are to further improve:

- Animal health and welfare
- Supply chain efficiency and regulatory performance
- Market access and trade development





# LEP R&D AOP 2016/17

- Animal Health and Welfare

**\$1,735,000**

- Supply Chain Efficiency & Regulatory Performance

**\$417,000**

- Market Access

**\$227,280**

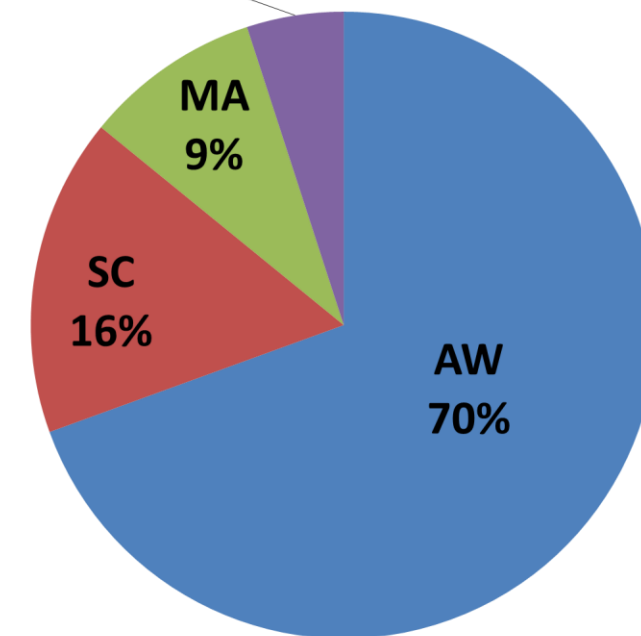
- Communications\*\*\*

**\$125,000**

- **TOTAL BUDGET \$2,497,280**

COMMS  
5%

## 2016/17 Budget





# RD&E Program



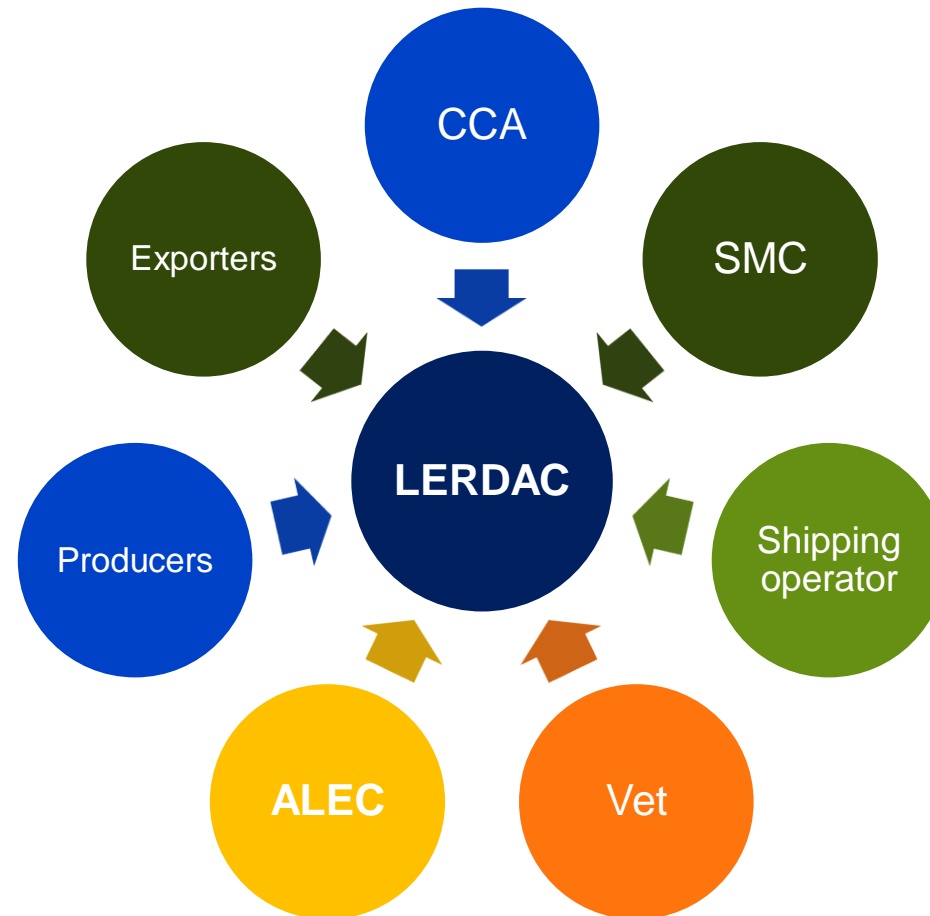
The RD&E Program is jointly funded by LiveCorp (25%), MLA (25%) and the Australian Government (50%) and managed by the LEP RD&E Manager.

The program committees include:

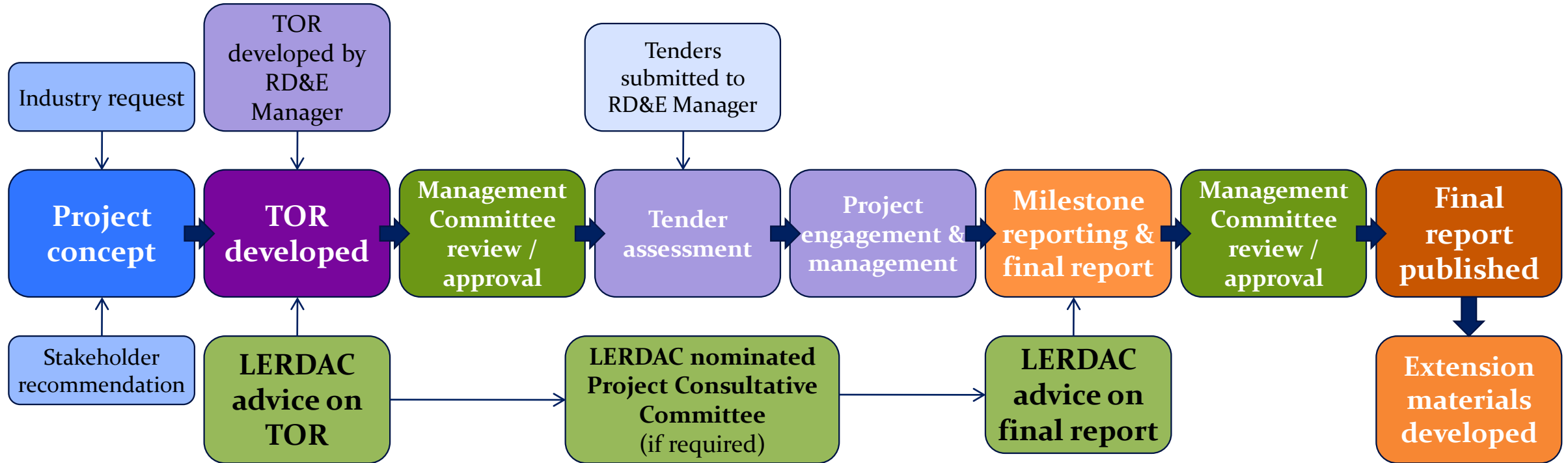
- Management Committee
- Live Export RD&E Advisory Committee (LERDAC) and;
- Project Consultative Committees (as required)

# How RD&E is conducted

## Livestock Export Research and Development Advisory Committee



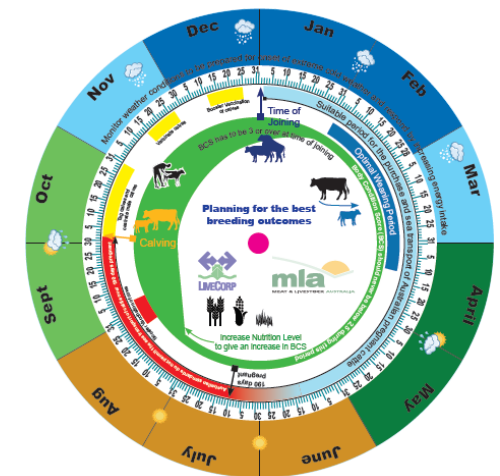
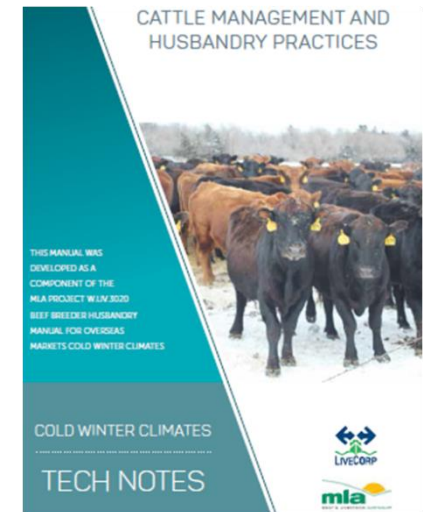
# How the Program operates





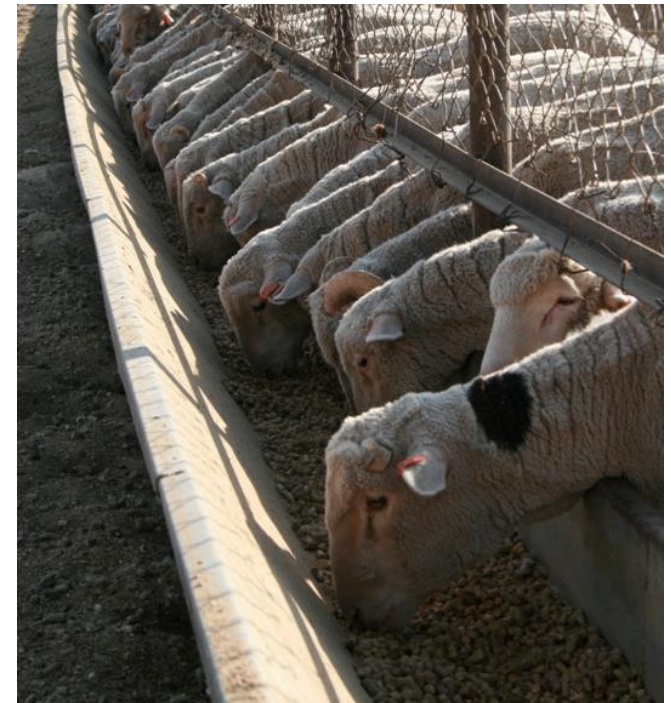
# Beef Cattle Breeding Materials

- A knowledge and resource gap was identified for the appropriate management of Australian cattle in local environments including cold winter climates
- A manual was developed to improve knowledge of: cattle husbandry, nutrition, health and welfare, handling and transport, climatic impacts etc.
- A cattle 'breeding wheel' was developed to further extend the information in-market



# Salmonella vaccine development

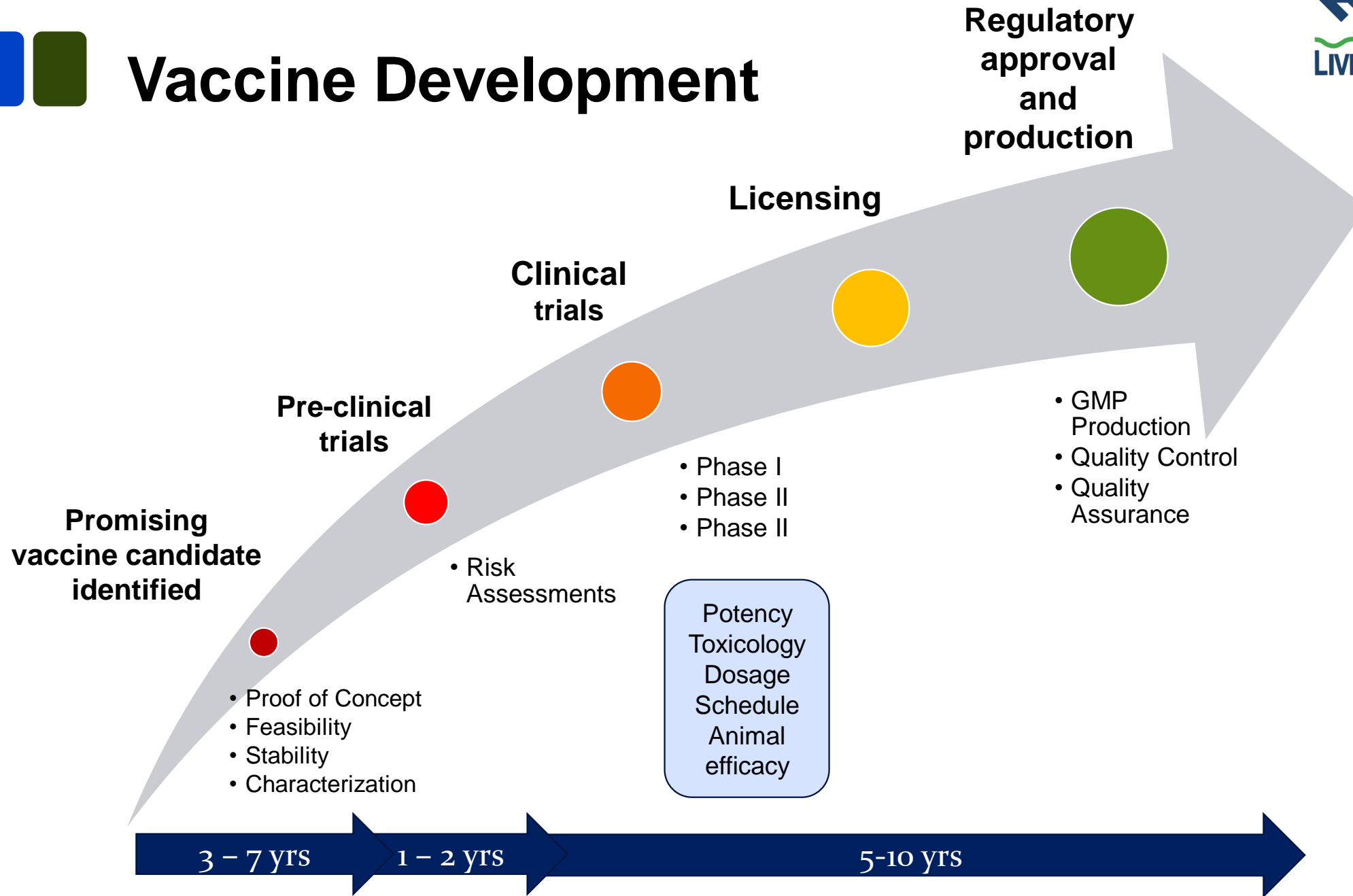
- Salmonella is a significant animal health issue for sheep (and cattle) and is most prevalent intensive animal husbandry
- Initially water dosing was explored prior to the identification of a potential vaccine strain of Salmonella
- The development of a vaccine is ongoing and has potential benefits within the export supply chain and broader agricultural industry

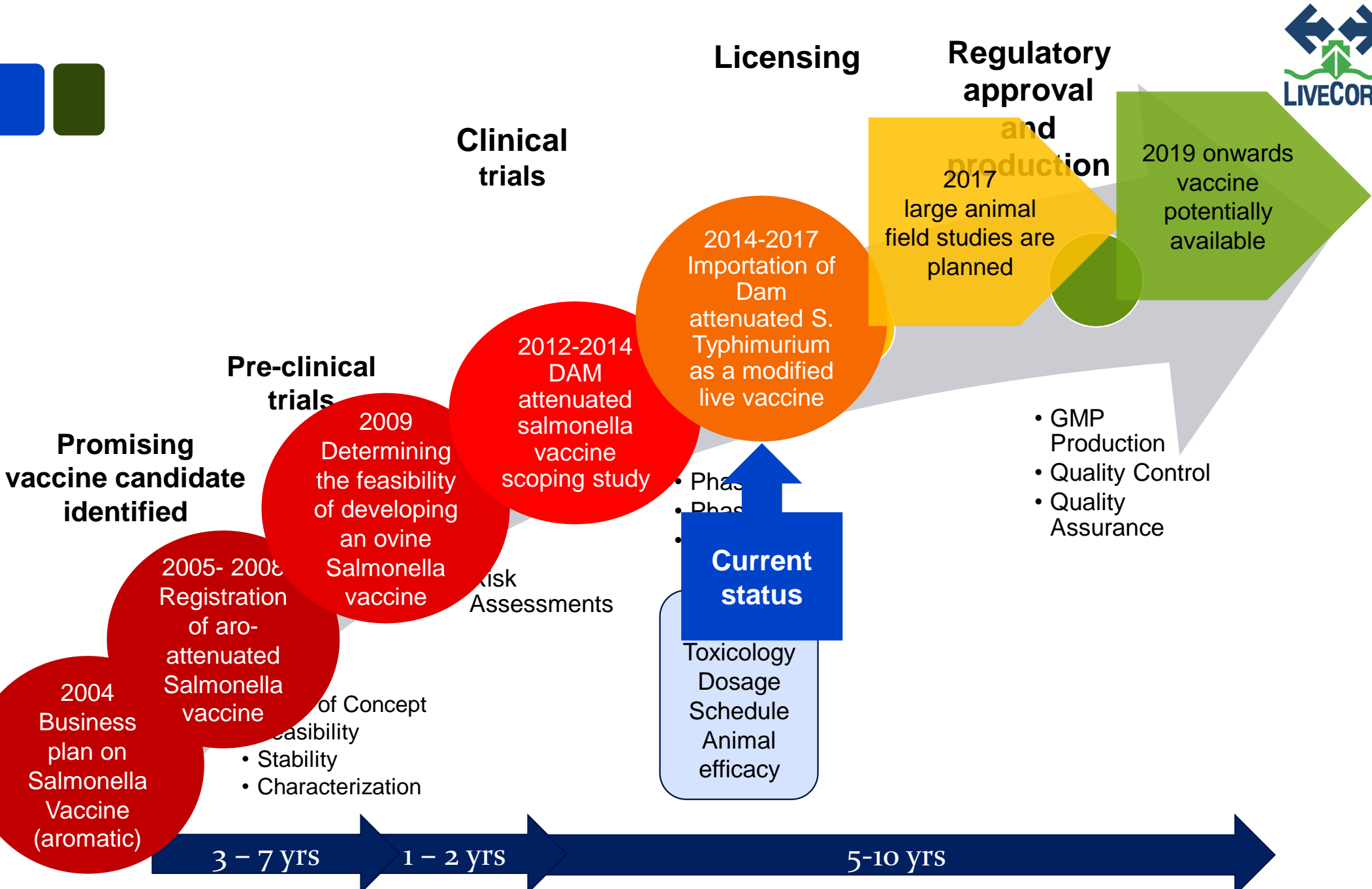






# Vaccine Development





# Salmonella vaccine - where to now?

- MSD Animal Health will begin the development of master seed early 2017
- Safety studies are scheduled to address experimental challenges
- Next year large animal field studies are planned
- It is anticipated that the earliest the vaccine will be commercially available is 2019





# Outcomes and importance of RD&E

RD&E is conducted to address short, medium and long term priorities and includes:

Experiments and research projects to fill knowledge gaps, literature reviews, the development of systems and software, standard operating procedures and other extension materials

RD&E is transparent and reports are publicly available on both the LiveCorp and MLA websites.

**RD&E is the cornerstone of improvement for industry**