

Tasks and Timeline

Dairy and Livestock Subgroup #3

Meeting #3

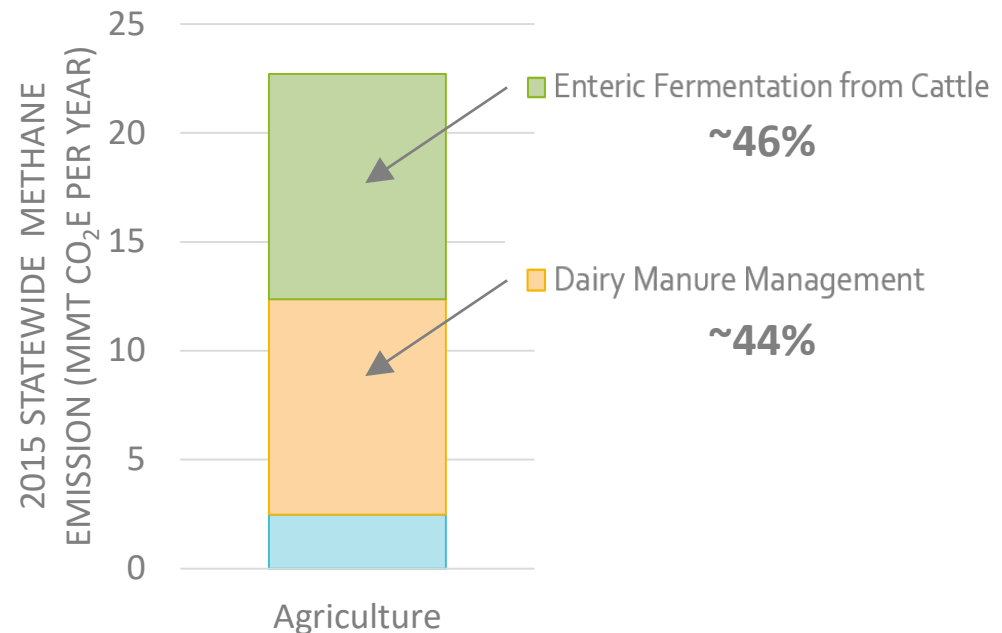
February 28, 2018



RECAP:

Driver of Dairy and Livestock Working Group

- **Subgroup #3 is currently driven by SB 605 and SB 1383** with a goal to reduce emissions of short-lived climate pollutants (SLCP) in California. In this effort, California must devise a strategy to **reduce methane emission by 40% below 2013 levels by 2030**.



RECAP: Purpose and Goal of Subgroup #3



The main purpose of Subgroup #3 is to prioritize dairy research projects that improve our knowledge on:

- The accuracy of greenhouse gas (GHG) and other air pollutant emissions from California dairies
- The potential GHG emission reductions and air quality impacts (positive and negative) from implementation of methane mitigation strategies

By the end of 2018, Subgroup #3 will develop a **Dairy Air Research Prospectus** to help guide California's funding agencies and organizations prioritize future research projects

RECAP:

Previously
Identified
Knowledge
Shortfalls and
Research Needs

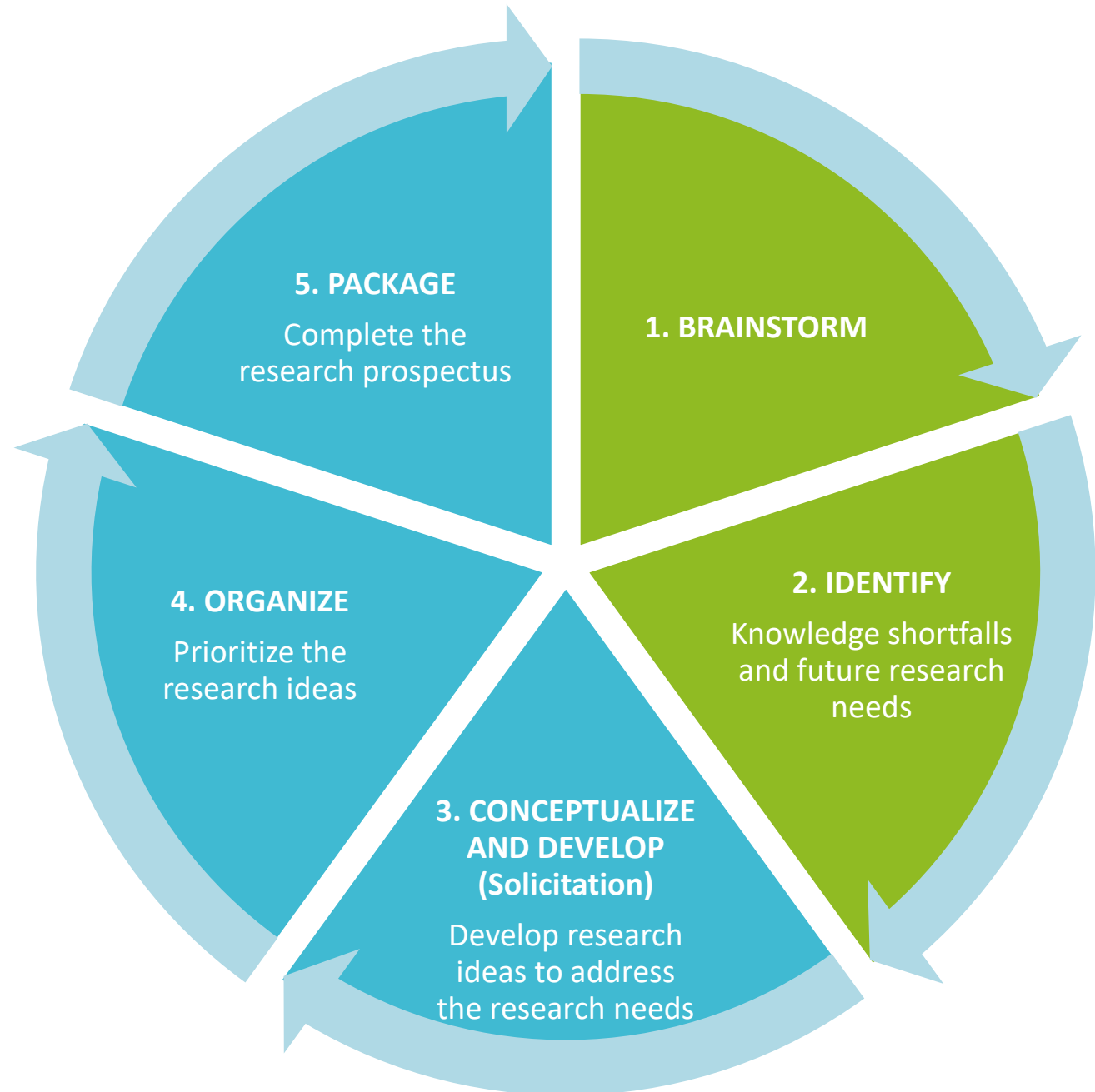


To effectively achieve SB 1383's SLCP emission reduction targets, there is a need to:

- Assess localized air pollution issues associated with dairies, especially in **environmental justice** communities
- Develop a long-term dairy greenhouse gas (GHG) and air monitoring program to **track progress on reducing methane emissions**
- **Improve emission inventories** (e.g., methane, ammonia, etc.) using California-specific data
- Regional GHG and AQ modeling to evaluate **short- and long-term benefits of air pollution mitigation strategies**

TASK:

Strategy for Completing Research Prioritization



TASK:

3. Conceptualizing and Developing Research Ideas (Solicitation)



- Subgroup #3 will initiate a solicitation to Request for Ideas (RFI), which will be open to all community members, researchers, government agencies, industry, etc.
- All potential contributors will have the opportunity to submit their ideas under one or more of the knowledge shortfalls and research needs identified by Subgroup #3
- “RFI Submission Docket” will be opened on CARB website by middle of March (<https://www.arb.ca.gov/cc/dairy/dsg3/dsg3.htm>)

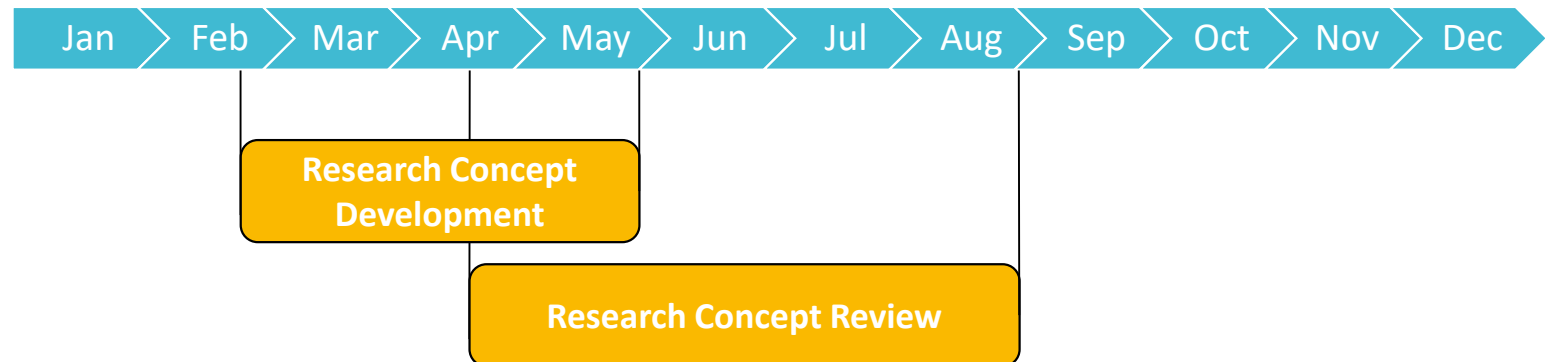


TASK:

4. Organize



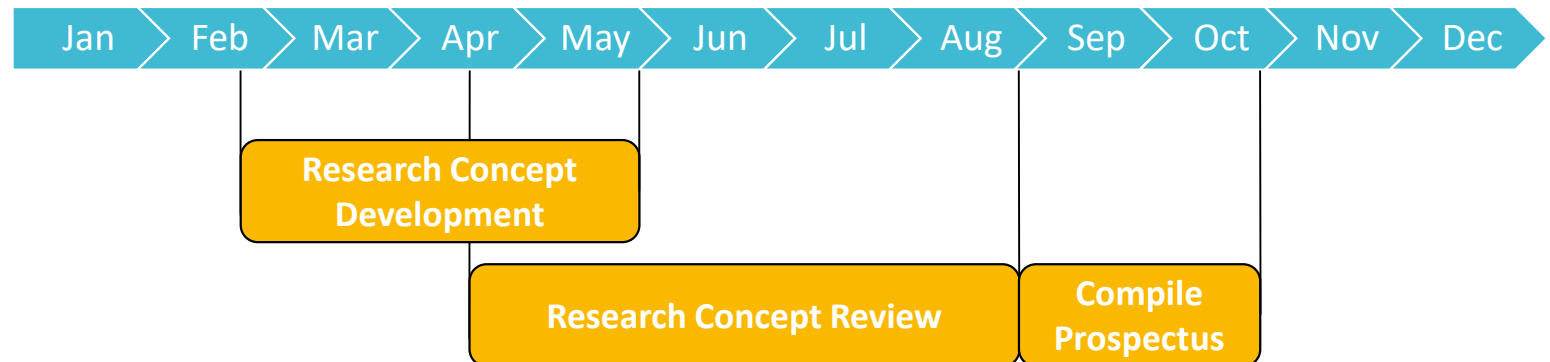
- The RFI submissions will be pre-screened for completeness and appropriate content
- Pre-screened RFI submissions will be reviewed and evaluated by Subgroup #3 co-chairs and committee members using multiple surveys based on:
 - Air Impact
 - Industry Impact
 - Policy/Regulation/program Relevance
 - Feasibility



TASK: 5. Package



- The RFI submission will be packaged and ranked based on the survey scores
- A **Dairy Air Research Prospectus** will be created, which will provide recommendations to the most feasible research needed address SB 1383 goals under each of the knowledge shortfalls



Moving Forward: Timeline



2/28:
Presentation by Dr. Frank
Mitloehner and Dr. Alex Hristov

4/2:
Interim meeting

June
Presentation TBD

August
Presentation TBD

October
Present completed
Prospectus

December
Discussion on
moving forward



Research Concept
Development

Research Concept Review

Compile
Prospectus

Questions about RFI



RFI Submission Process:

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