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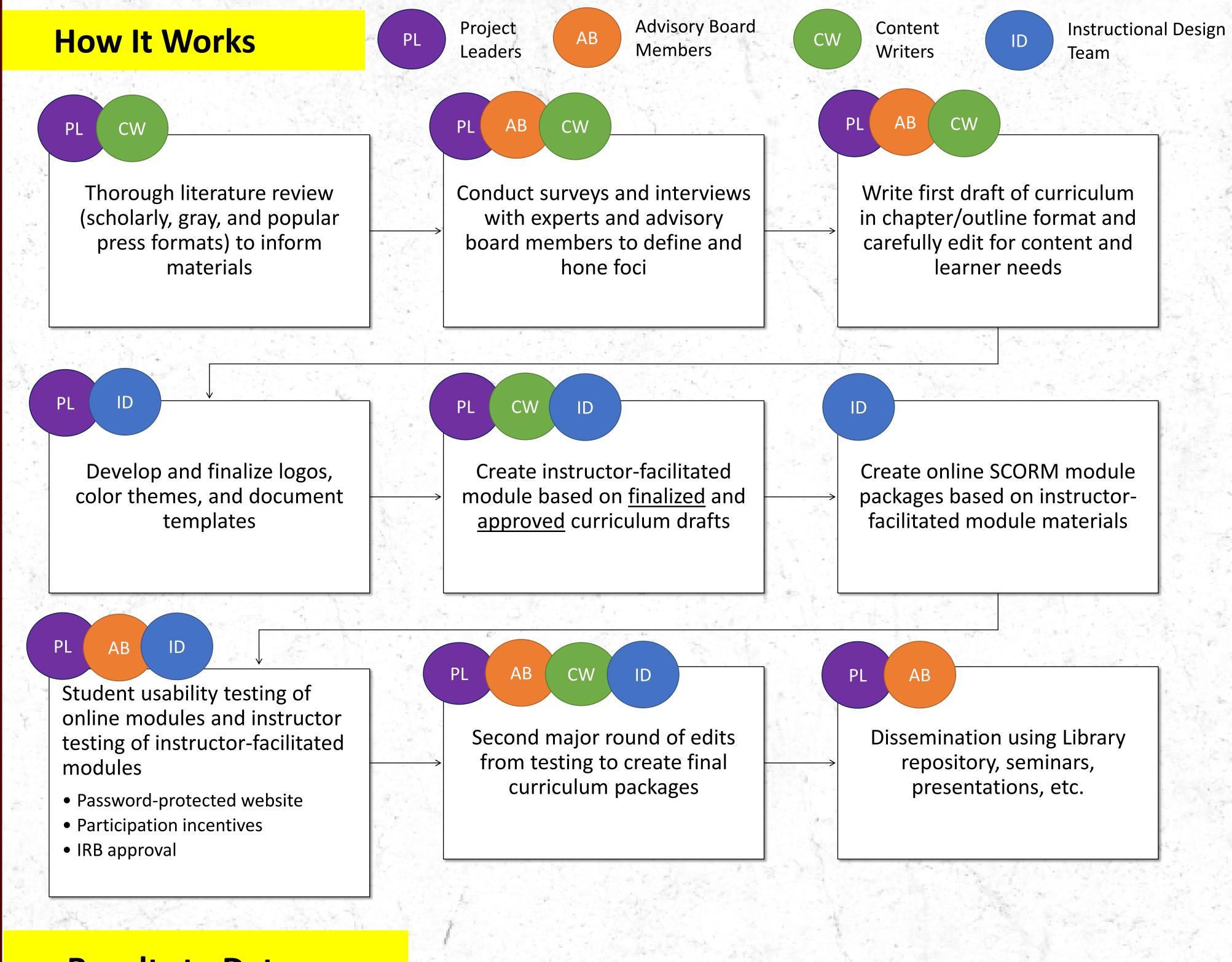
Texas A&M University

### Introduction

- University faculty and secondary agriculture education teachers need curricular resources to inform their teaching (Easterly & Simpson, 2020).
- However, time for curriculum development is limited (Smalley & Smith, 2017)—free ready-to-use packages can meet this need.
- We combined expertise of multiple groups to create curriculum packages for two facilitation formats.
- The projects' complex nature required an innovative process.
- Projects were supported by the USDA National Institute of Food and Agriculture under grant numbers 2017-70003-26386, 2019-38414-30265, and 2020-70003-32313 and under the Texas A&M University Presidential Transformational Teaching Grant Program, Round 1.

## Costs/Resources Needed

- Costs will vary depending on
  - breadth and depth of curriculum,
- technology,
- personnel compensation,
- pilot testers, and
- instructional design team members
- Our major cost involved <u>personnel</u>: project directors, subject matter experts, instructional designers, graduate research assistants, undergraduate student workers, advisory committee members, industry reviewers, and other reviewers



### **Results to Date**

We pioneered this process with Leggette (2017–2020), building on it with the succeeding two projects. A quantitative summary of team member numbers in each role is shared in the table below.

Project	Advisory Board Members	Content Experts	Graduate Students	Instructional Designers	Testers and Reviewers
Leggette (2017-2020)	10	2	1	2	20+
Leggette (2019-2022)	10	3	1	4	25+
Pina (2020-2022)	12	12	1	5	50+

# **Advice to Others**

#### **❖** Testing:

✓ Build a contact list of instructors willing to test modules in courses from project onset, adding additional names over time.

#### **Administration:**

✓ Wait times and administrative activity loads are high with complex content and large reviewer groups. Closely plan and monitor deadlines to address delays promptly.

#### **Authorship:**

- ✓ Record and report authorship and acknowledgements statements accurately using Contributor Roles Taxonomy (CASRAI, n.d.).
- ✓ Add library experts to your team to assist with authorship, copyright open access and other publication topics.

#### **\*** Technologies:

- Identify programs to be used and create accessible list of training videos for each, if available, to quickly train new team members.
- ✓ Microsoft Office, Dropbox, Techsmith Camtasia, and Microsoft Teams were essential to create high-quality products and enable multi-person access.
- Create and follow standard data management backup storage, version control, and clear folder organization.

#### References

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