
MAPPING YOUR WAY TO SUCCESS

Crafting an Awesome GIS Training Program



ABOUT US



Ashley Schutt

- BS in Environmental Science from Stephen F. Austin State University
- 6+ years working in GIS
- 1.5 years at TxDOT

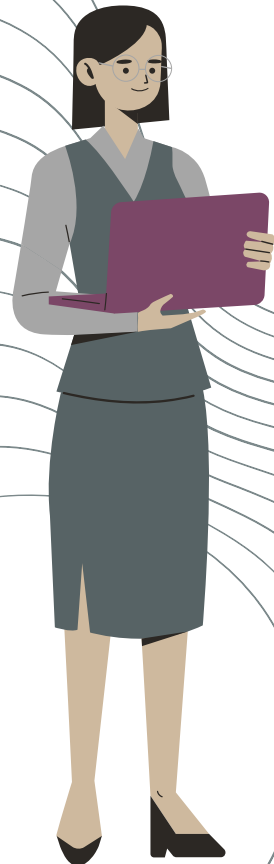


**Catherine
Hodde-Pierce**

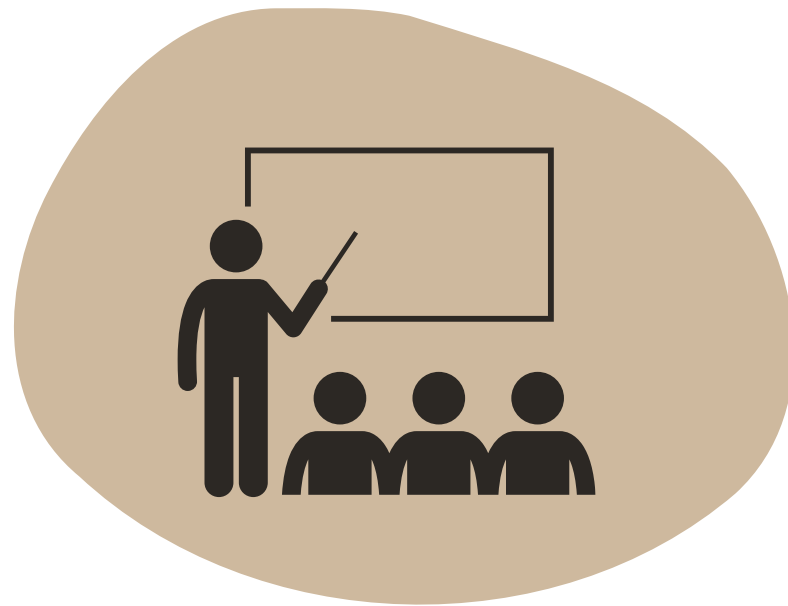
- BS in GIS from Texas State University
- 5+ years working in GIS
- 2 years of training experience and content creation
- 10 months at TxDOT

AGENDA

- 01* Introduction
- 02* Identifying Training Needs
- 03* Developing a GIS Training Plan
- 04* Best Practices for Delivering Training
- 05* Sustaining the GIS Training Program
- 06* Why GIS Training is Important



INTRODUCTION



Training at TxDOT

How we started
Where we are now
Where we are going



Sharing our Knowledge

How to get you started
Resources to share
Making your program unique

IDENTIFYING TRAINING NEEDS



UNDERSTANDING USER TYPES



Someone who possess in-depth technical skills, spatial data analysis proficiency, and the ability to manipulate GIS software and data for complex geospatial tasks.

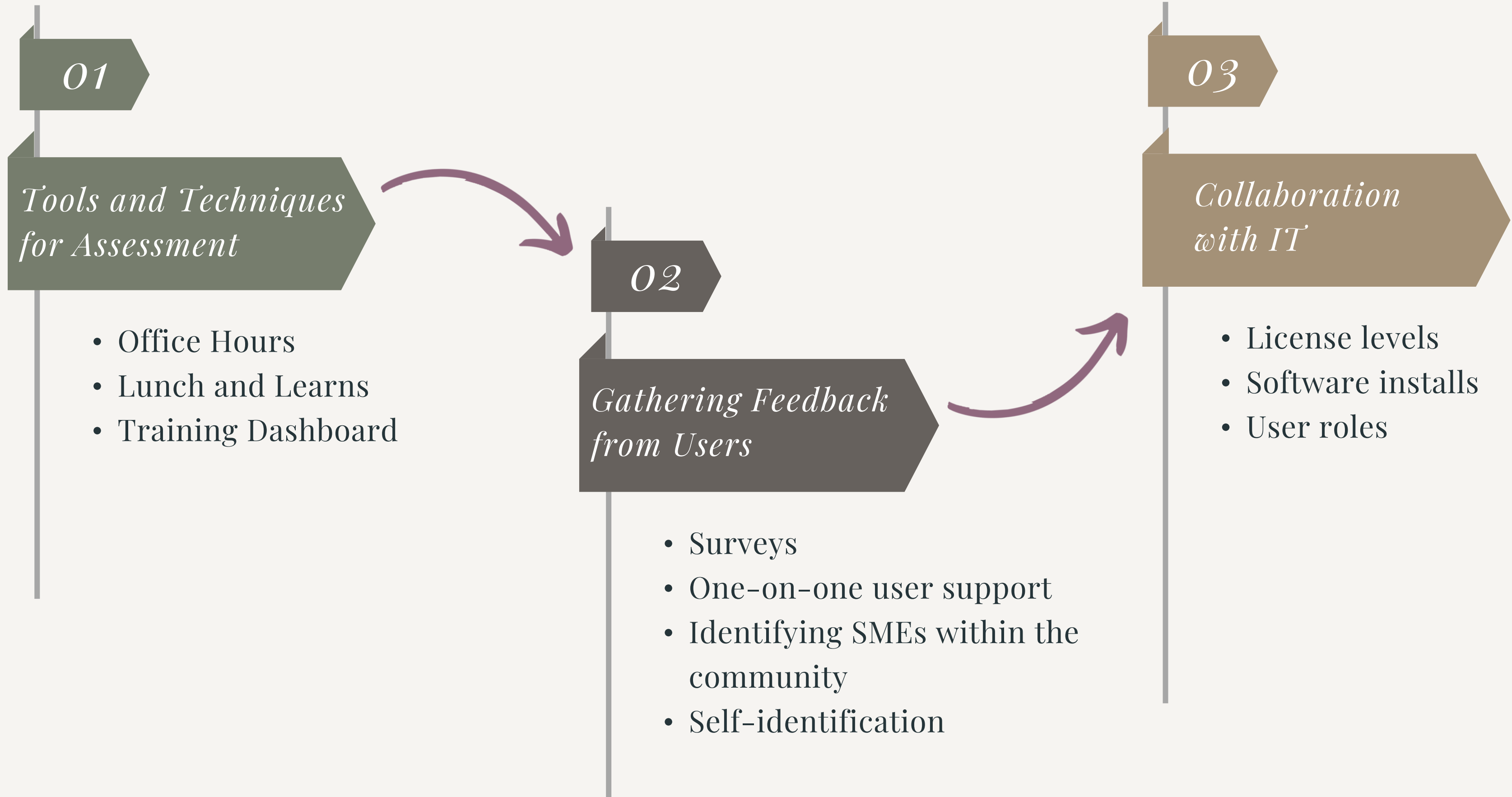


Someone with a basic or occasional level of familiarity with GIS.



An individual who is just starting to explore and learn about GIS.

ASSESSING SKILL LEVELS



DEVELOPING A TRAINING PLAN



SELECTING TRAINING METHODS



Classroom
Based



Online Courses
and Webinars



Workshops and
Hands-On
Sessions

SELECTING TRAINING RESOURCES



Utilizing In-House
Expertise



Utilizing External
Trainers

CREATING TRAINING MATERIALS



Curriculum
Development

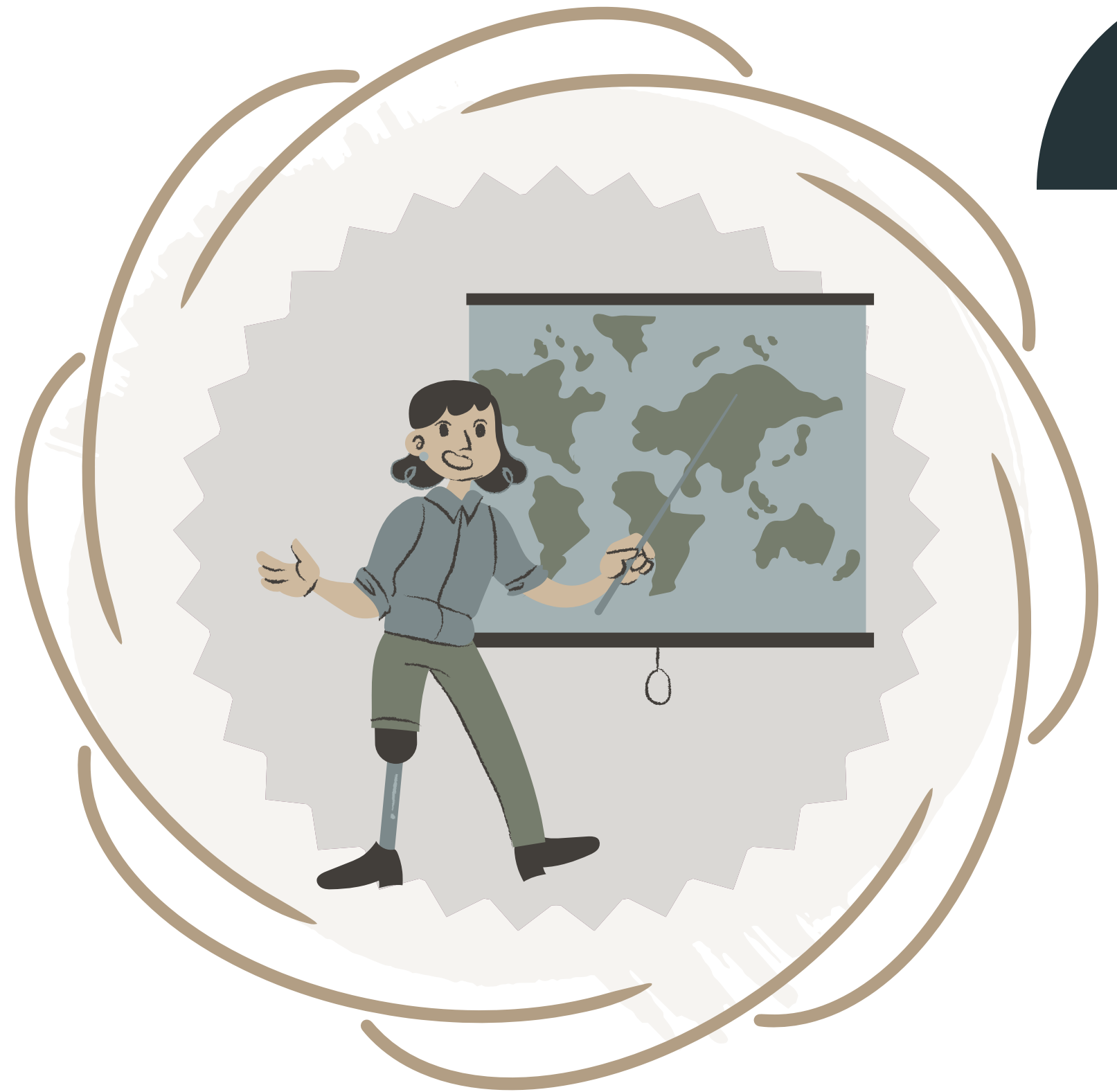


Customizing
Content for
Different
Groups

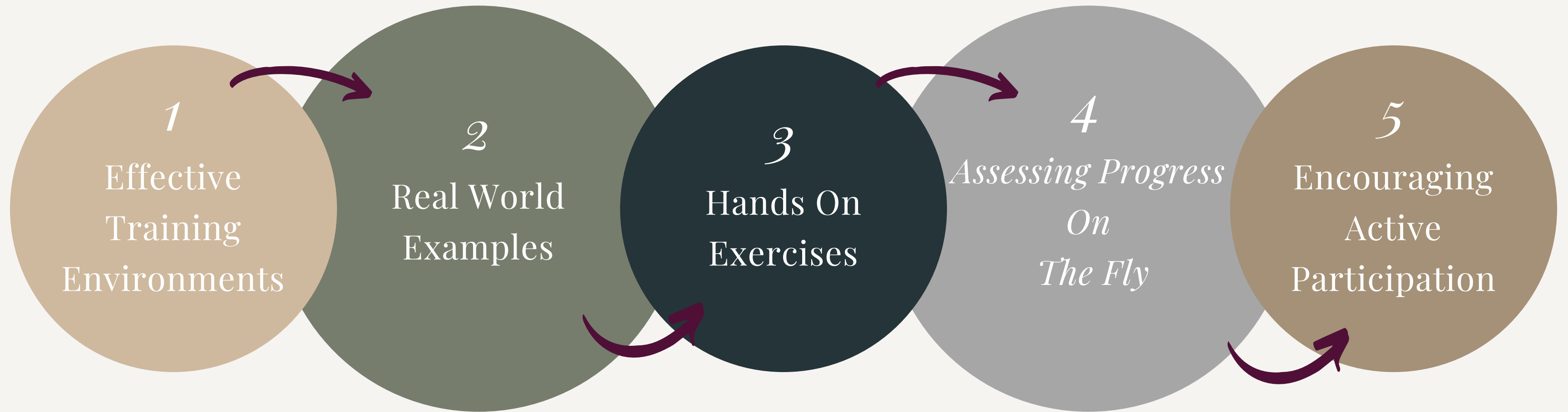


Multimedia and
Interactive
Materials

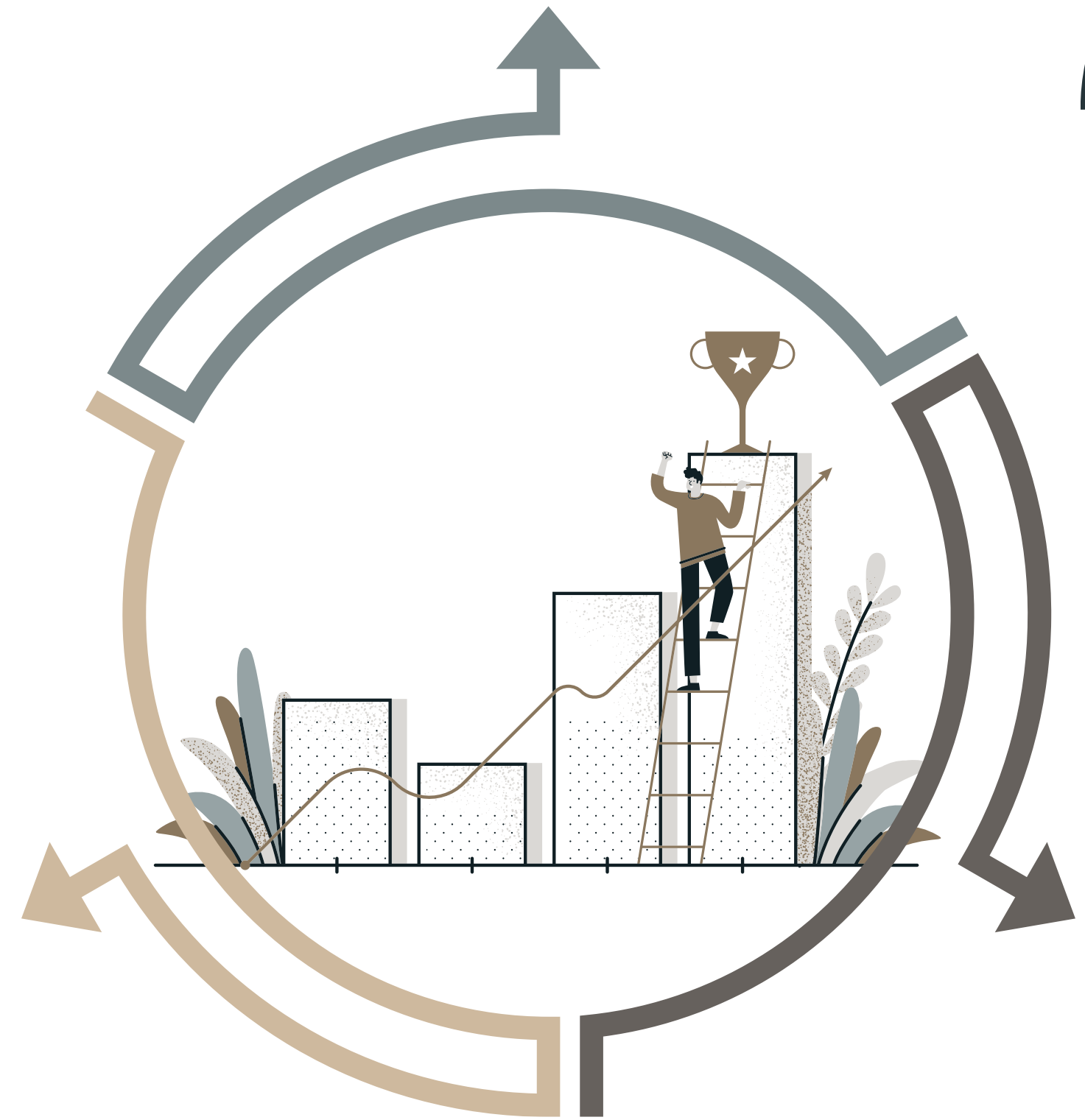
BEST PRACTICES FOR DELIVERY



BEST PRACTICES FOR DELIVERY



SUSTAINING THE TRAINING PROGRAM





Budget Constraints

- Travel
- In Person vs. Virtual
- Hardware



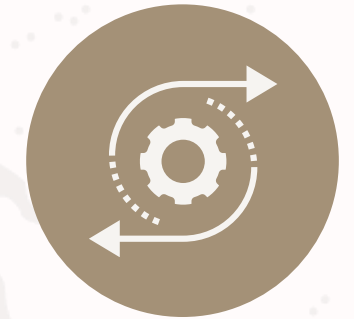
Time Restrictions

- Training Calendar
- Asana for Tasks



Staff Limitations

- Training Staff
- Workloads
- FTE

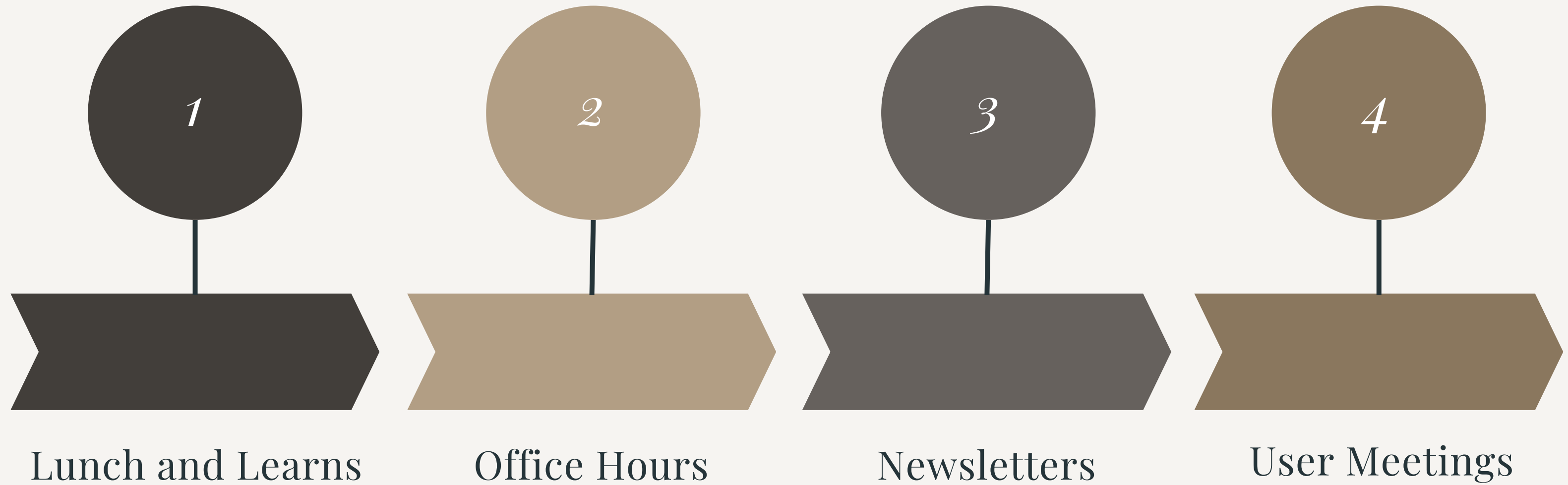


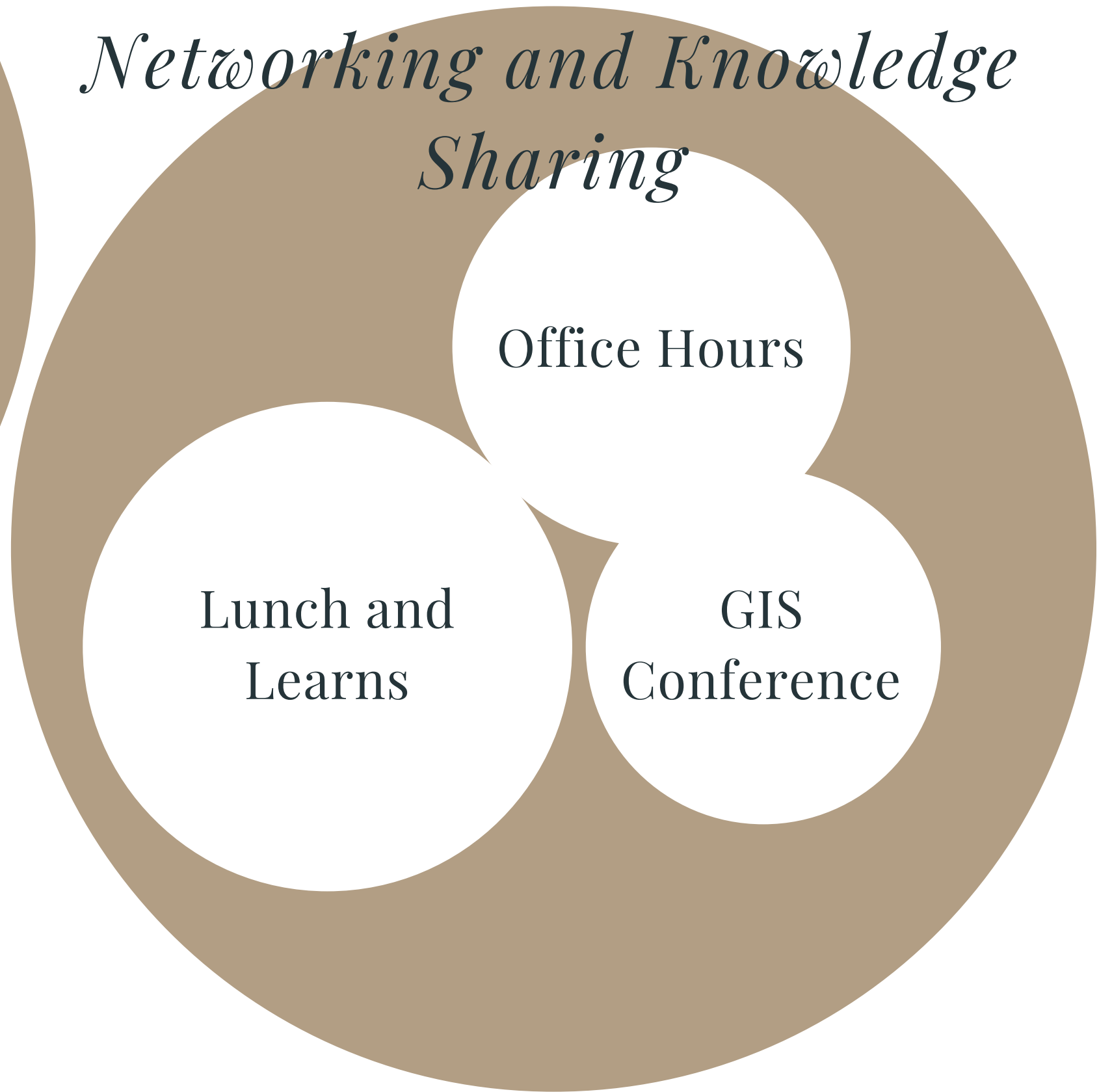
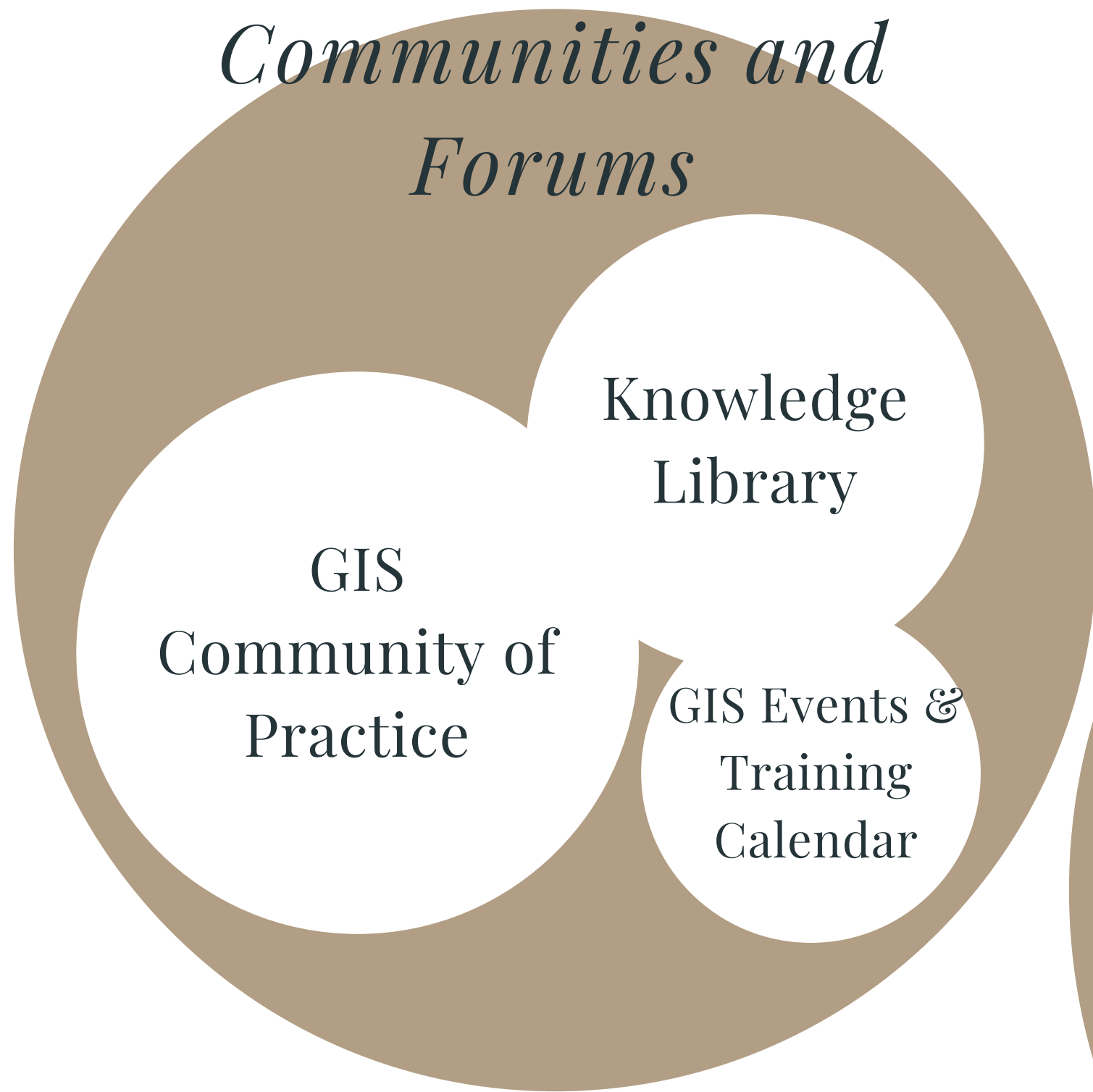
Resistance to Change

- ArcGIS Desktop vs. ArcGIS Pro

IDENTIFYING COMMON ROADBLOCKS AND SOLUTIONS

Encourage a Culture of Learning





**PROMOTING
ENGAGEMENT**

WHY GIS TRAINING IS IMPORTANT



WHAT GIS TRAINING CAN PROVIDE



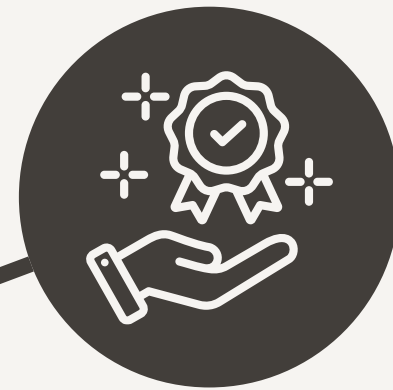
Enhanced Organizational Efficiency

- Streamlining Processes
- Reducing Errors
- Policy and Standards Awareness



Employee Skill Development

- Empowering Employees
- Boosting Job Satisfaction and Retention



Meeting Industry Demands

- Staying Competitive
- Attracting and Retaining Top Talent



Fostering Innovation and Collaboration

- Allows for open discussion
- Encourage creativity



THANK YOU!

Contact Us:



Aschut-c@txdot.gov



Chodd1-c@txdot.gov

GIS_Training@txdot.gov