National Geo-Enabled Planning Workshop

December 5, 2018

National Geospatial Preparedness Summit

NAPSG Foundation

Today's Agenda

9:00am	Introductions and Overview
9:30am	Emergency Operations Planning
10:10am	Pre-Incident Planning
10:45am	Break
11:00am	Crisis Action Planning
11:35am	Common Requirements for Geo-Enabled Plans
11:50am	Action Plan
12:00pm	Adjourned

Introductions

- Name
- Agency
- Role in Planning

Goals and Objectives

Collaboratively begin to define standardized frameworks and guidance for geo-enabling:

- **Emergency Operation Plans (EOPs)**

- **Pre-incident plans**

- **Crisis action plans**

Objectives

- Understand successes and limitations in applying plans during real-world events

- Identify opportunities and address key challenges in integrating geo-enabled technology and analysis into the planning process

- Define model practices in geo-enabling EOPs, pre-incident plans, and crisis action plans

- Develop an Action Plan for equipping the community with education, training, and guidance to geo-enable the plans

What Exists Today

Planning Resources

- Threat Hazard Identification and Risk Assessment (CPG 201)

- Comprehensive Preparedness Guideline (CPG 101)
  - Emergency Operations Planning

- Hazard Mitigation Planning Guidance

- Incident Action Planning Guide

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https://preptoolkit.fema.gov/web/hazard-explorer/geo-enabled-plans
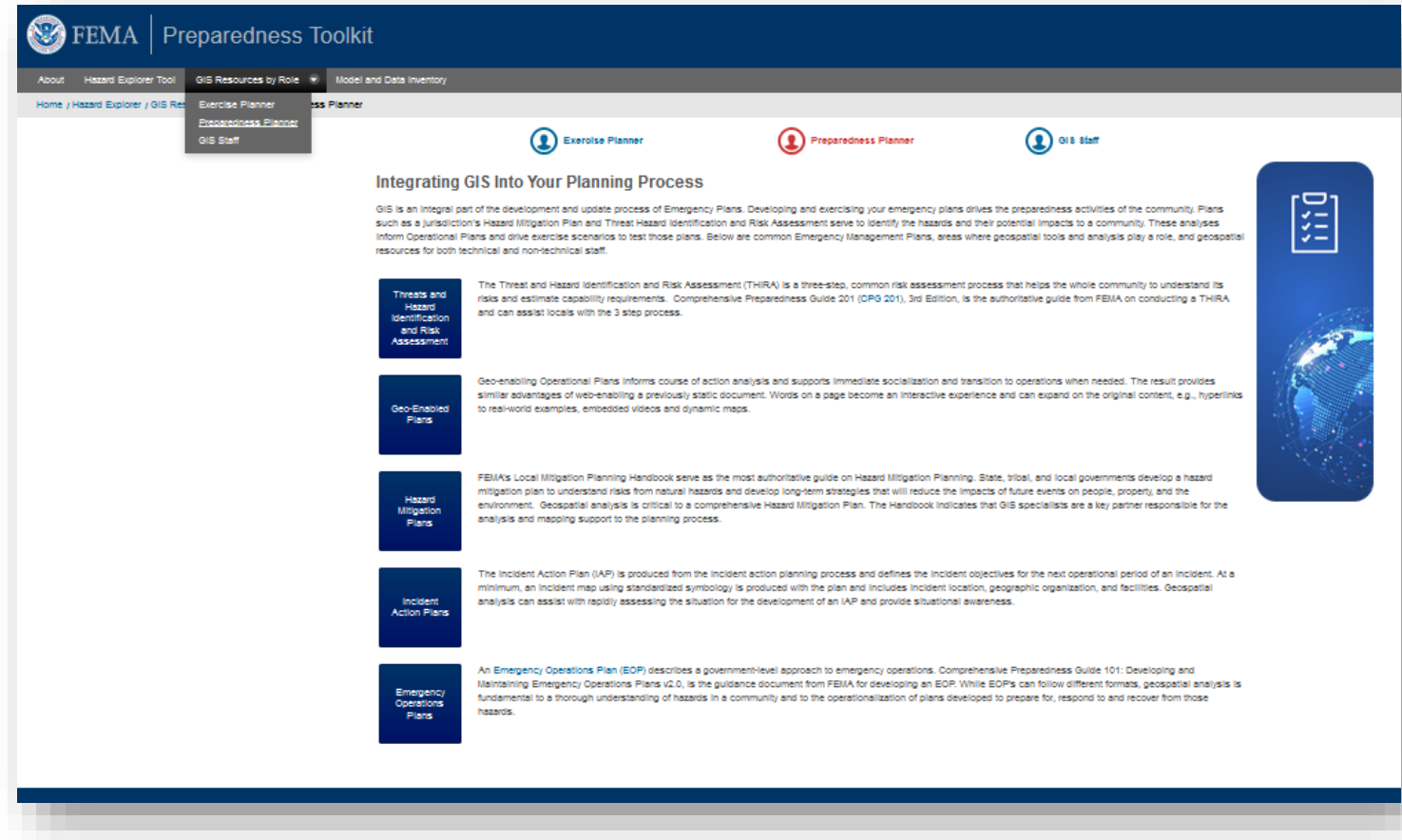
Focus for Today

Preparedness

Emergency Operations Plans

Pre-Incident Plans
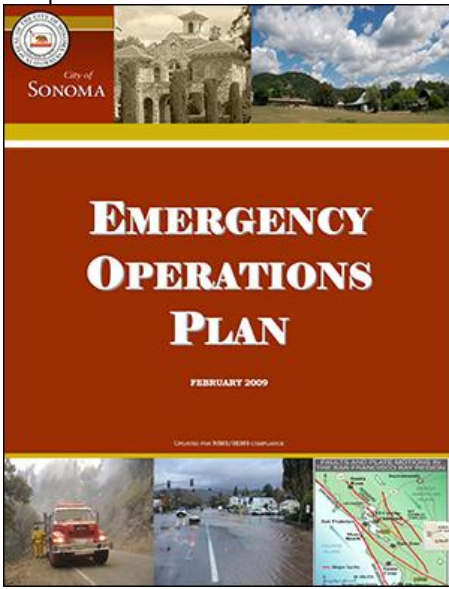
Readiness

Pre-Incident Plans
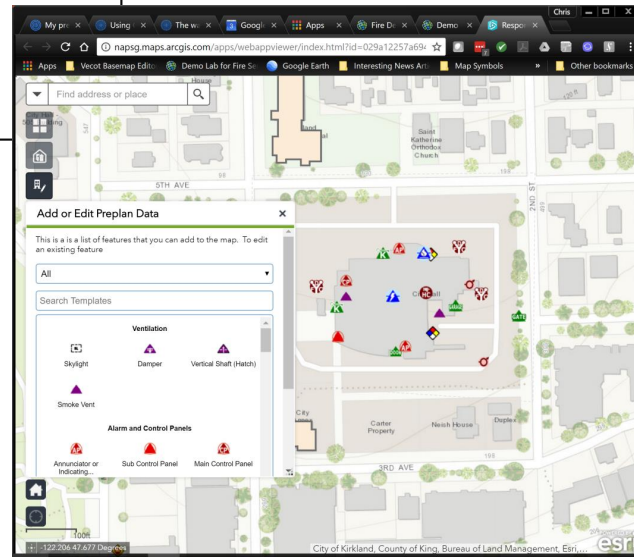
Response

Crisis Action Plans

Incident Action Plans
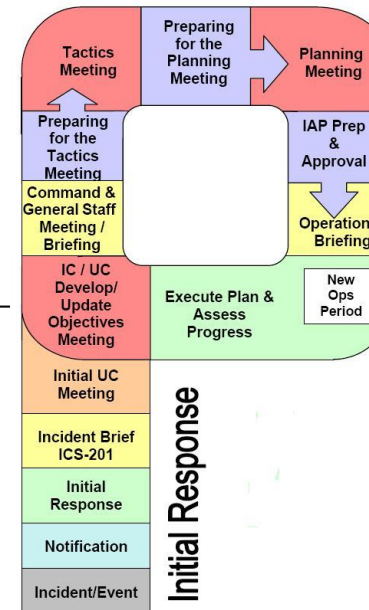
What type of plan is this?
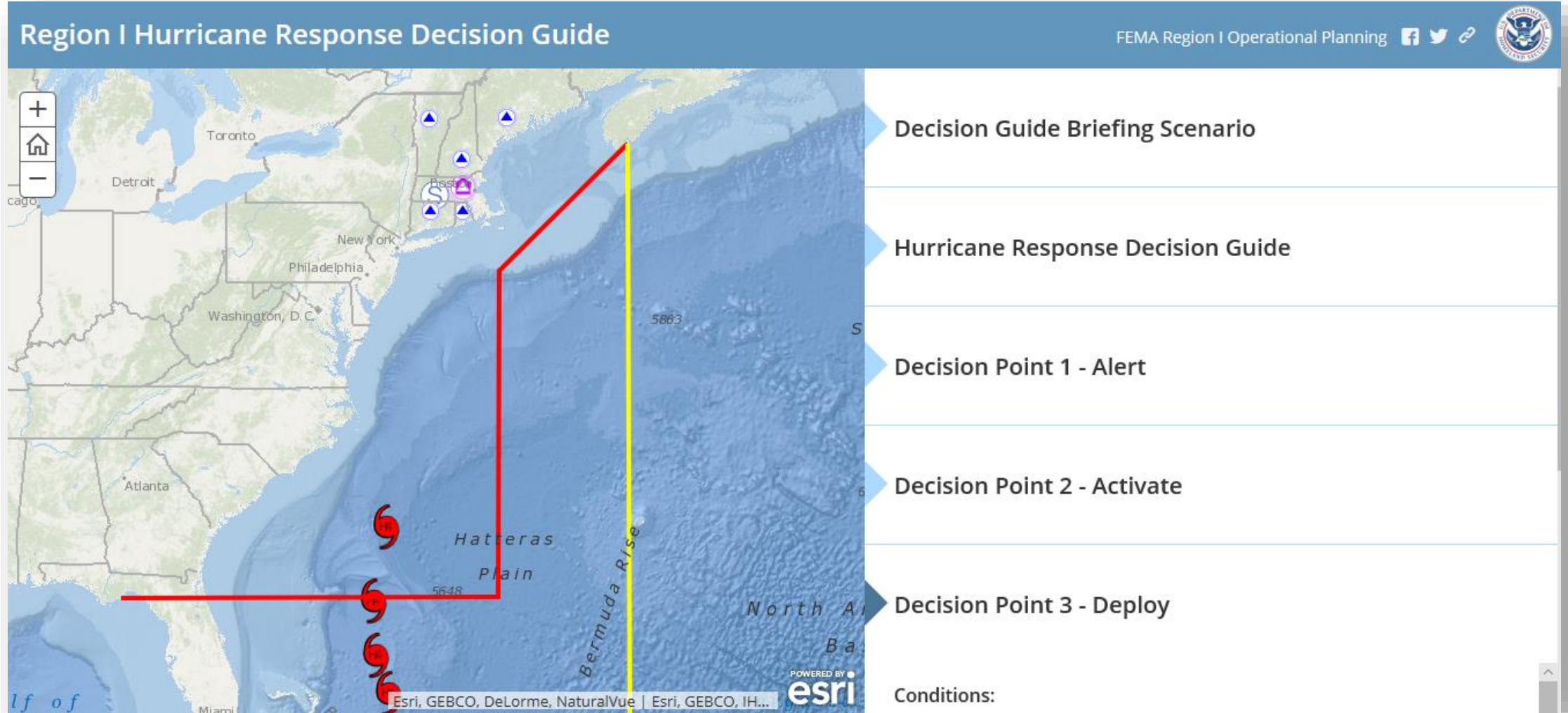
Emergency Operations Plans
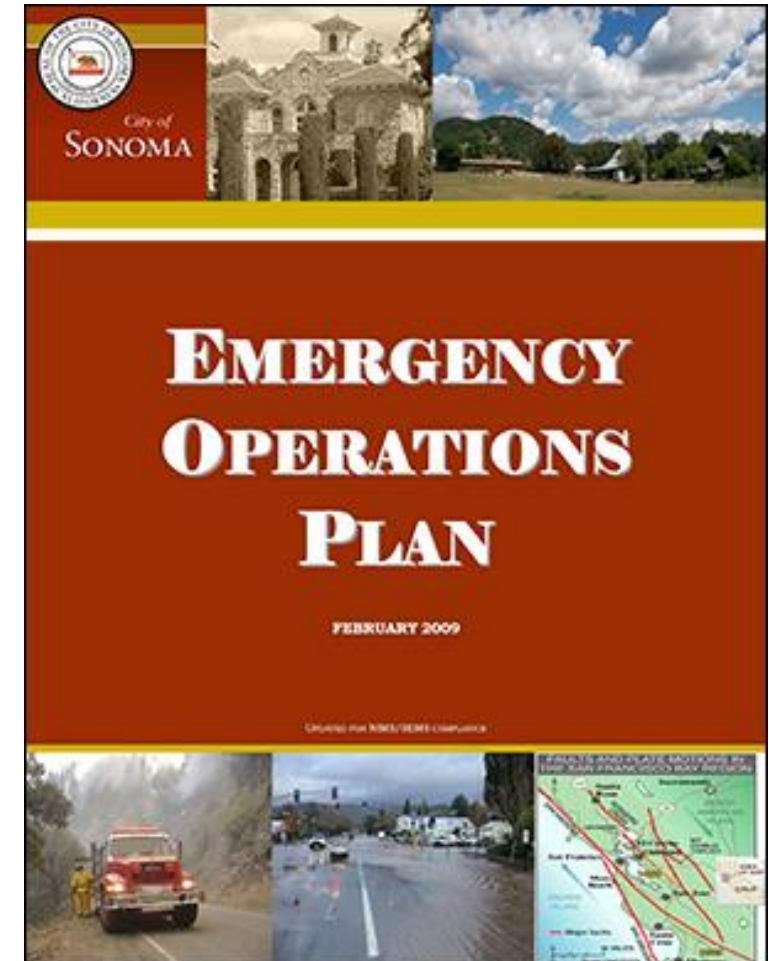
EOP – Open Discussion

What challenges do you face today in developing, updating, and using your EOPs?

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Breakout Discussion

- How are you currently using GIS to support EOP development and updates?

- Do you have an information collection plan as part of your EOP?

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Use Cases

- Regional Example - New Madrid Zone Planning: https://arcg.is/mWTOb
  - Chris Vaughan, FEMA

- Local Example – North Central Region: https://arcg.is/1jyiuH
  - Paul Doherty, NAPSG Foundation

- Example Information Collection Plan
  - Jason Gamble, FEMA

EOP Breakout Discussion 2

- What benefits do you see in geo-enabling the EOP?

- Can a Geo-Enabled plan like the example shared replace the standard PDF EOP?
    - If so, to what extent?
    - If not, what are the limitations?

- What data, remote sensing, tools, templates, and guidance are needed to support you in geo-enabling the EOP?

Pre-Incident Plans
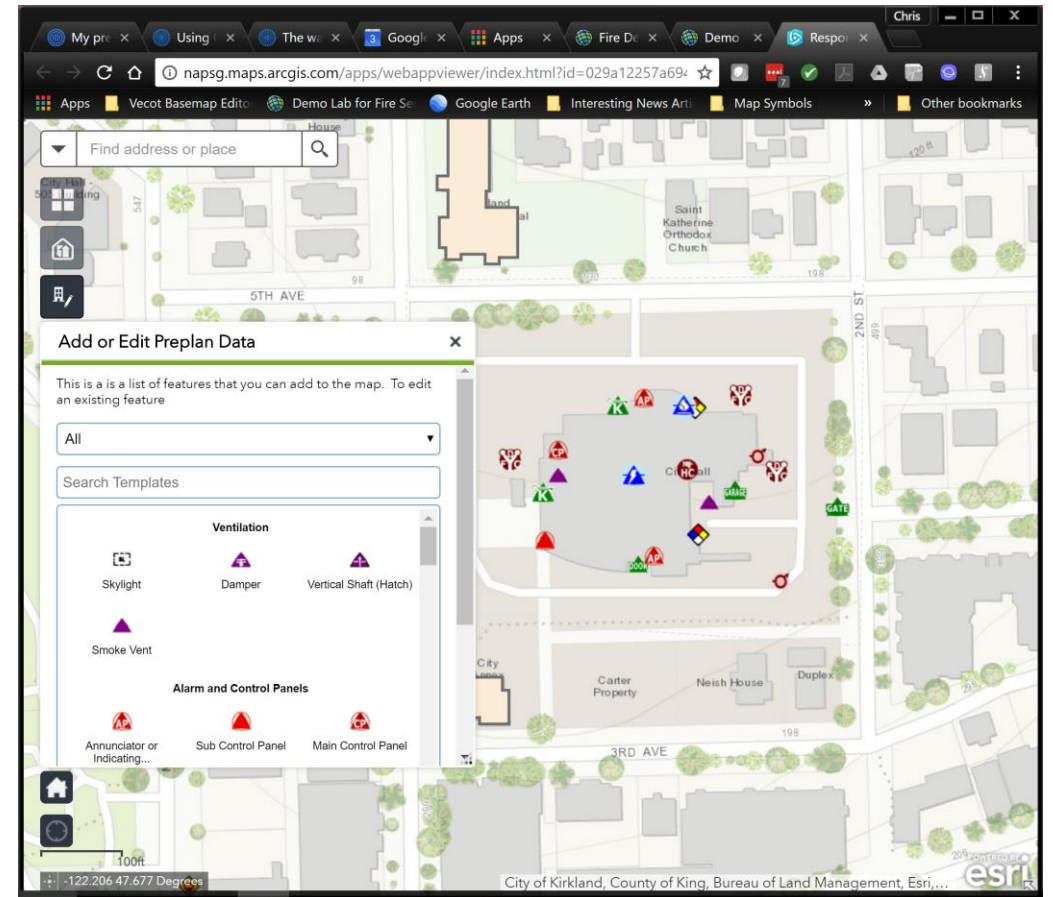
Pre-Incident Plans – Open Discussion

- Does your agency currently have pre-incident plans?

- How are you using geospatial technology in your pre-incident plans?

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Current and Future State of Pre-Incident Plans

Chris Rogers, Kirkland Fire Department (WA)

Breakout Discussion

- What does the future state of pre-incident planning look like to you?

- What data, tools, templates, and guidance are needed to improve and evolve pre-incident planning?

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10 minute Break

Crisis Action Plans

The Planning "P" diagram showing: Incident/Event, Notification, Initial Response, Incident Brief ICS-201, Initial UC Meeting, IC / UC Develop/Update Objectives Meeting, Command & General Staff Meeting / Briefing, Preparing for the Tactics Meeting, Tactics Meeting, Preparing for the Planning Meeting, Planning Meeting, IAP Prep & Approval, Operations Briefing, Execute Plan & Assess Progress, New Ops Period. Labeled "Initial Response".

Open Discussion

- How is your agency currently using GIS to support crisis action planning?

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Case Studies and Demos

- Hawaii Volcano Journal: http://arcg.is/KK4uK
  - Chris Vaughan, FEMA

- State of Arizona ESF Dashboard: http://bit.ly/2FN588V
  - Paul Doherty, NAPSG Foundation

Breakout Discussion 1

- Based on the case studies and what you learned through the exercise - What is a viable framework for information management and dissemination in geo-enabling crisis action plans?

- Would your agency be able to preconfigure a crisis action plan against that framework and have it staged & ready for an event?

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Breakout Session 2

- How can remote sensing and other data support you in predictive forecasting prior to and during an event?

- What data, remote sensing, tools, templates, and guidance are needed to support geo-enabling crisis action plans?

Common Requirements for Geo-Enabled Plans

- What are the core requirements for data and information needed across these 3 types of plans?

- What are the highest priority data, remote sensing, tools, templates, and guidance needed to support geo-enabling the plans?

- Is it feasible to achieve some level of consistency nationwide in geo-enabling all 3 types of plans – and across levels of government?
    - If so, what does consistency and standardization look like?
    - What are limitations in achieving standardization?

Next Steps and Action Plan

- What is one action you will take when returning home to geo-enable planning?

- What are the highest priority actions NAPSG and our partners need to take to support you in geo-enabling the plans?

THANK YOU!