

Dynamic Problem Solving & Emergency Preparedness



AGENDA

1

- Field Innovation Team (FIT)

2

- Design-Thinking & Innovation 101

3

- FIT Deployment to Rockport, Texas
Recovery - Post Hurricane Harvey





© Anastasiia Sapon

Empowering Humans to Create Cutting-Edge Disaster Solutions



EXAMPLES OF PAST FIT DEPLOYMENTS

2014 - Drones in Mudslides 3D Topography Maps



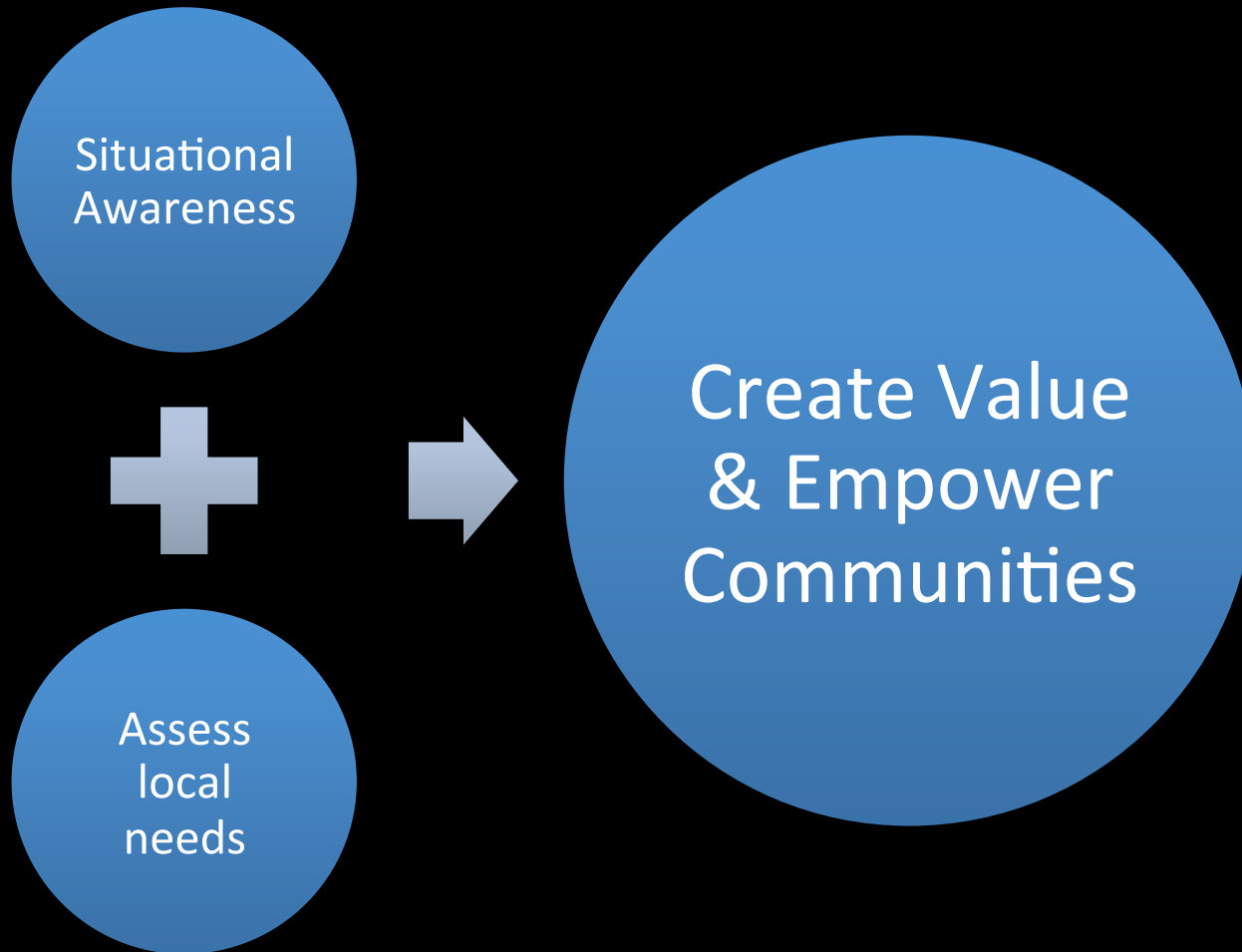
2015 Nepal - Gorkha Earthquake Training with Telepresence



Environmental Hazards

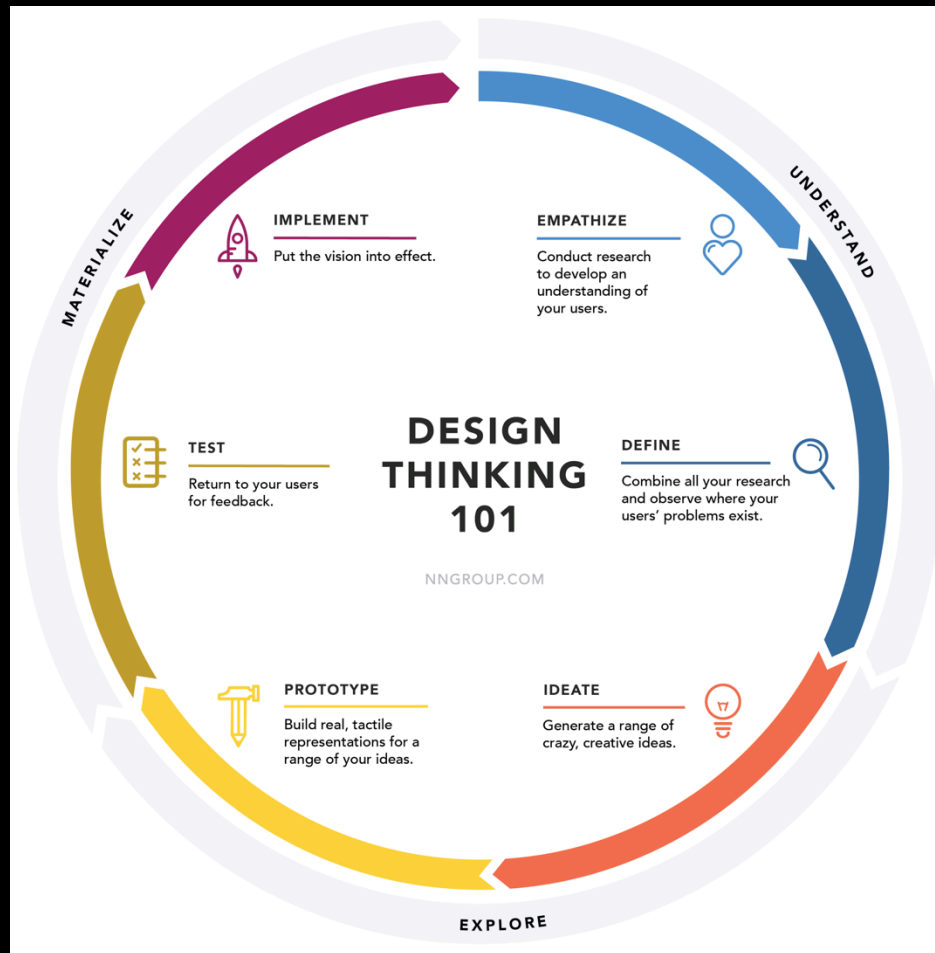


Understanding Needs & Creating Value

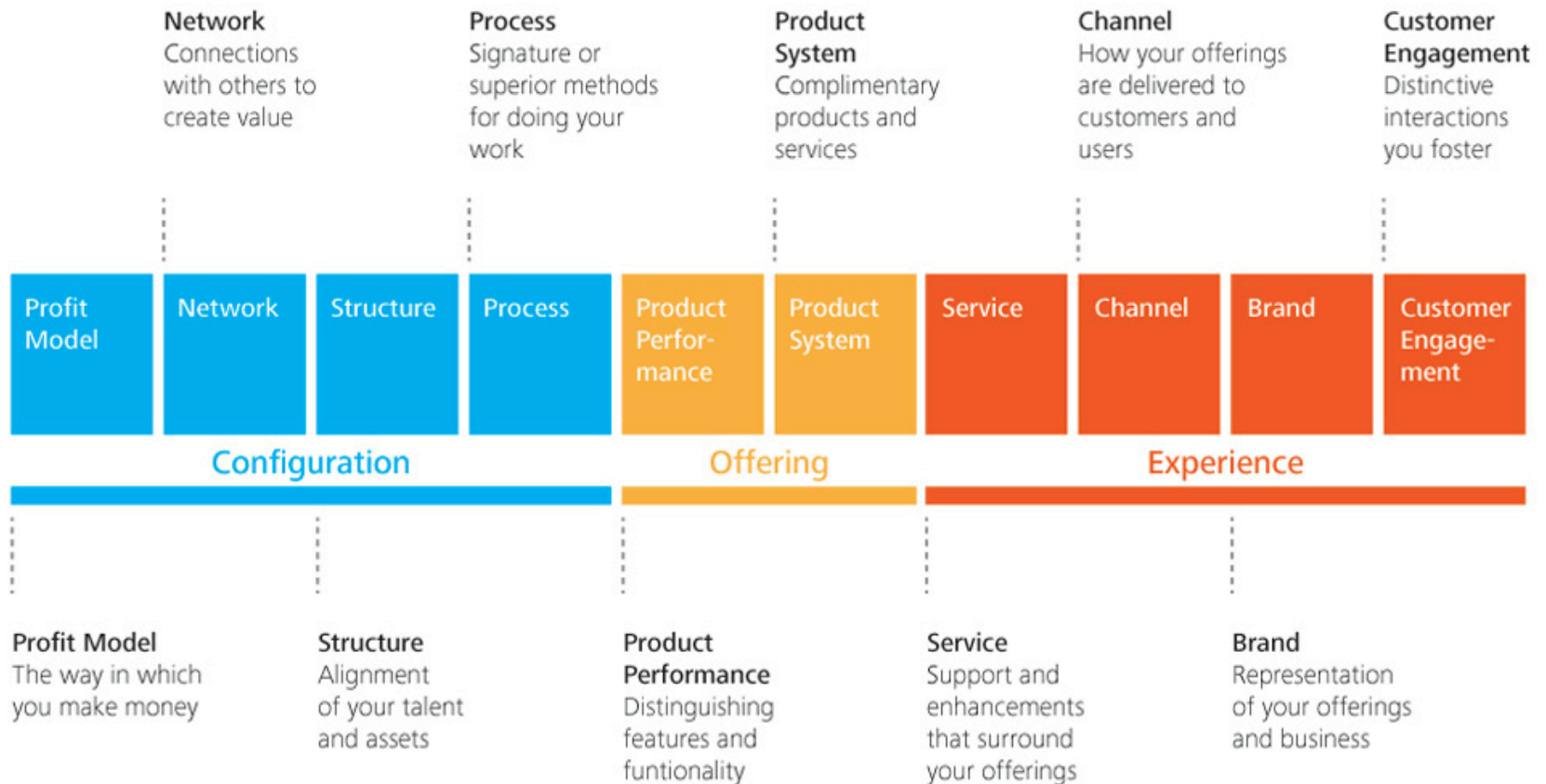


DESIGN-THINKING & INNOVATION

What is Design-Thinking?



10 TYPES OF INNOVATION



2017 FIT HURRICANE HARVEY DEPLOYMENT

ROCKPORT, TEXAS

September 5-12th, 2017

FIT Team - Texas Deployment 2017



IDENTIFYING LOCAL NEEDS



PRIORITY COMMUNITY PROJECTS

- Designing Systems for Donations
- Public Health Digital Brochure
- Smart Shelter
- Community Resource Mapping
- Connecting Psychosocial Services

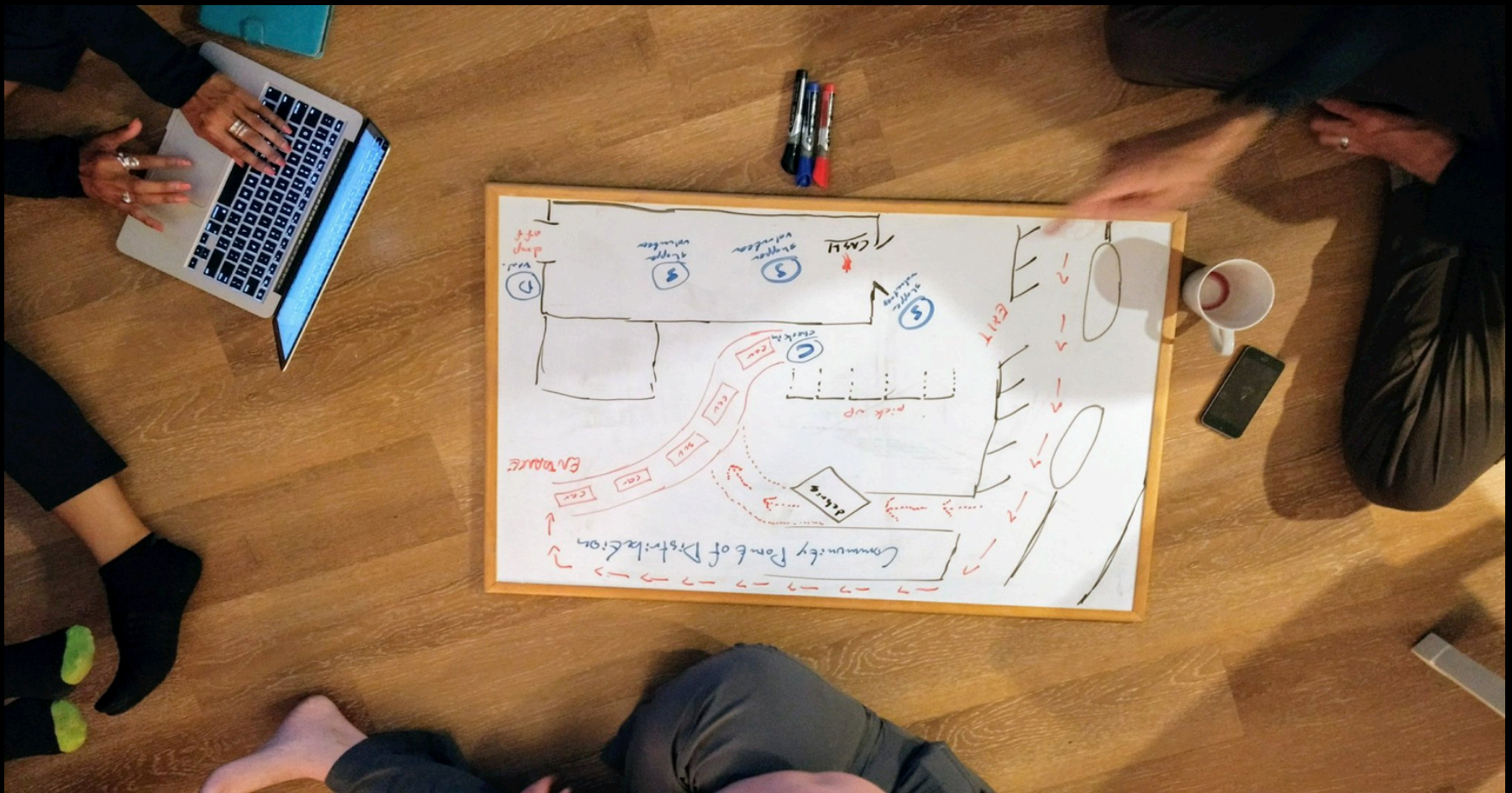
PROJECT #1

Designing Systems for Donations



PROJECT #1

Designing Systems for Donations



PROJECT #2


Public Health Digital Brochure

Rockport-Fulton Chamber of Commerce

HEALTH INFORMATION TEXT MESSAGE BROCHURE

A text message and telephone hotline for up-to-date information on available health services and advisories following Hurricane Harvey

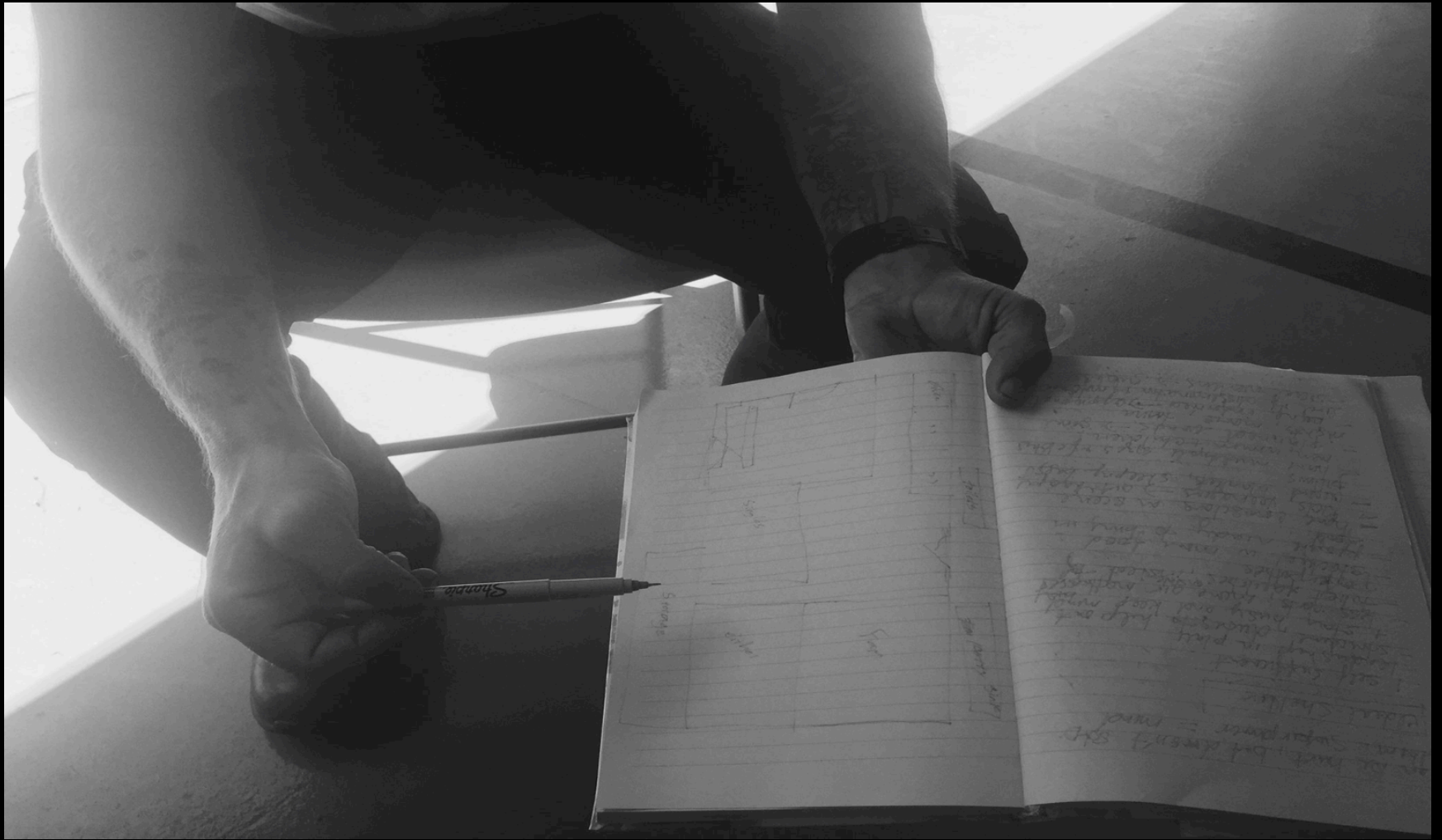
**Text HEALTH or
Call (361) 730-1589
Ayuda Medico**



**SUPPORTED BY:
UNIVERSITY OF NEBRASKA MEDICAL CENTER**

PROJECT #3

Smart Shelter



PROJECT #4

Community Resource Mapping



Scan here with any
barcode-scanner app



Navigate to map with this link

<https://goo.gl/Zt3PRq>



(Link to map is case-sensitive)

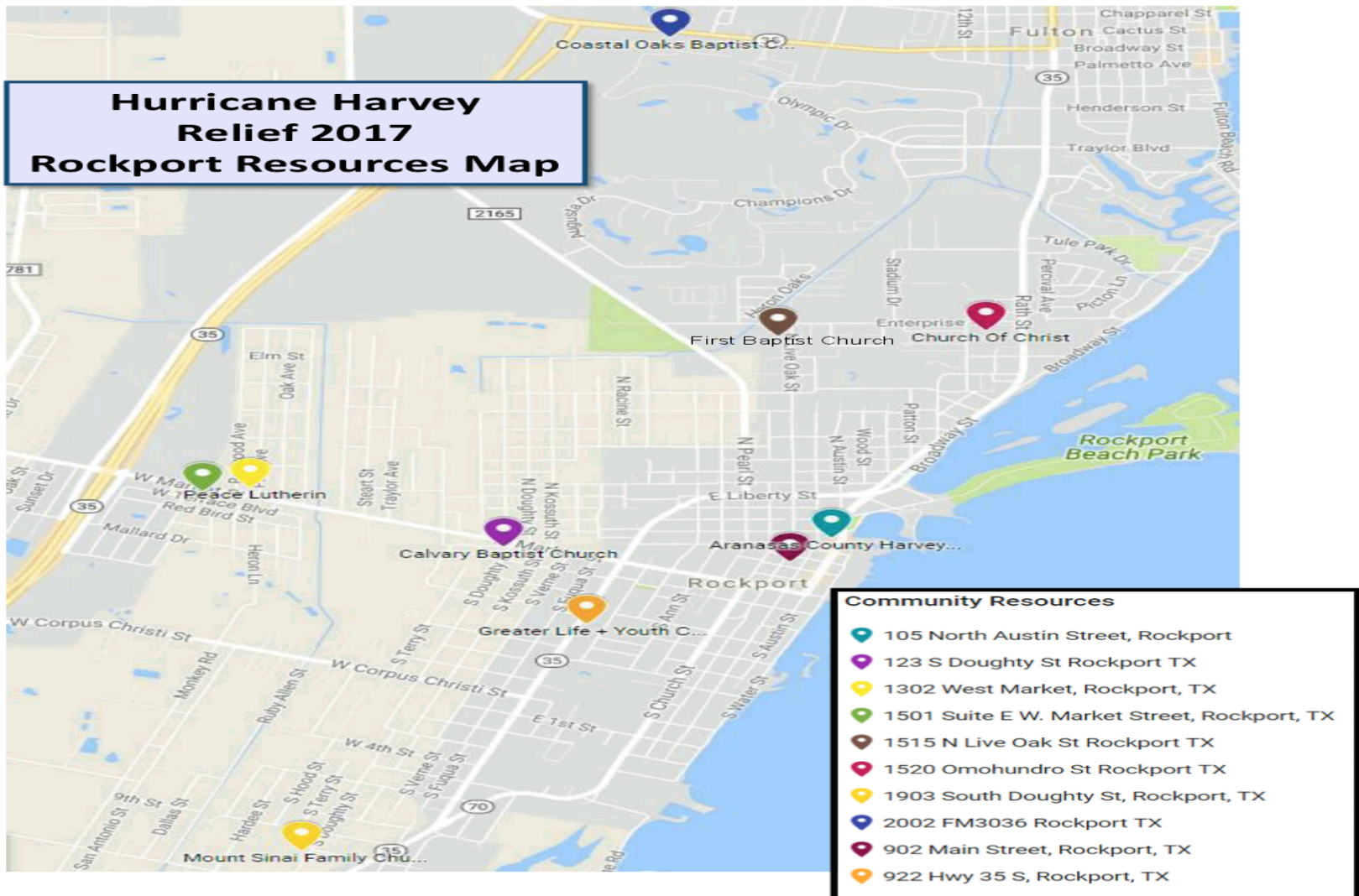
Recognize common sources of stress
before, during, and after a disaster



PsySTART™ Mental Health Triage System		
DANGER TO SELF OR OTHERS?		<input type="checkbox"/> Y <input type="checkbox"/> N
FELT/EXPRESSED EXTREME PANIC?		<input type="checkbox"/> Y <input type="checkbox"/> N
FELT DIRECT THREAT TO LIFE OF SELF and/or FAMILY MEMBER?		<input type="checkbox"/> Y <input type="checkbox"/> N
SAW / HEARD DEATH or SERIOUS INJURY OF OTHER?		<input type="checkbox"/> Y <input type="checkbox"/> N
DEATH OF PARENT, CHILD or FAMILY MEMBER?		<input type="checkbox"/> Y <input type="checkbox"/> N
DEATH OF PET?		<input type="checkbox"/> Y <input type="checkbox"/> N
SIGNIFICANT DISASTER-RELATED ILLNESS or PHYSICAL INJURY TO SELF or FAMILY MEMBER?		<input type="checkbox"/> Y <input type="checkbox"/> N
TRAPPED or DELAYED EVACUATION?		<input type="checkbox"/> Y <input type="checkbox"/> N
FAMILY MEMBER CURRENTLY MISSING or UNACCOUNTED FOR?		<input type="checkbox"/> Y <input type="checkbox"/> N
UNACCOMPANIED CHILD?		<input type="checkbox"/> Y <input type="checkbox"/> N
HOME NOT LIVABLE?		<input type="checkbox"/> Y <input type="checkbox"/> N
SEPARATED FROM IMMEDIATE FAMILY DURING EVENT?		<input type="checkbox"/> Y <input type="checkbox"/> N
PRIOR HISTORY OF MENTAL HEALTH CARE?		<input type="checkbox"/> Y <input type="checkbox"/> N
NO TRIAGE FACTORS IDENTIFIED		
If yes, contact site supervisor and DMH immediately.		
If yes, contact DMH as soon as possible.		
Contact DMH at the end of your shift for all other risk factors.		

PROJECT #4

Community Resource Mapping



PROJECT #5

Connecting Psychosocial Services



FIT Design Values

- Co-create sustainable solutions for communities
- Empowering communities
- Supporting leadership of disaster survivors
- Understanding local needs and design appropriate solutions
- Human-centered approach to design and implementation

#RFSTRONG



Thank you! Questions?

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