

# Massachusetts Institute of Technology

## Field Research Safety Plan

This template may be used by the Principal Investigator (PI), Project Manager, Professor, or Instructor to assist with the development of a Safety Plan for classes and research projects. **The completed Safety Plan should be shared with all the members of the field team.** Multiple trips to the same location can be covered by a single Safety Plan. The Safety Plan should be revised whenever a significant change to the location or scope of fieldwork occurs

### Section I.

Principle Investigator/Project Manager/Instructor		Department:	
Phone:		Email:	
Project Duration			

### Location of Field Research

Country		Type Geographic Site:	
State or County		Nearest City:	
Nearest Hospital or Other health Facilities		Phone #	

MIT Contact Person (Admin)			
Local (Field) contact Example Park Ranger			

### Field Work Personnel (Attach Separate Sheet of paper if necessary)

Name	Affiliation, Phone, Emergency contact	Category (Check all that apply)			
		Leader	Team member	Other (Specify)	Trained First Aider

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Field Research Study/Project: Describe Scope of Fieldwork or activity. Attach separate Sheet of paper if necessary). Please include country, general GPS coordinates of boundary of study area.

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Hazard Inherent to the Field Project

<p><b>Environment</b></p> <ul style="list-style-type: none"> <li>High Altitude</li> <li>Extreme Temperature</li> <li>Excessive/Extreme Exposure to Sun, wind,</li> <li>Work Over/Under falling debris</li> <li>Water Diving</li> </ul> <p><b>Accessibility</b></p> <ul style="list-style-type: none"> <li>Remote Location</li> <li>Long distance to Medical services ___ km</li> </ul> <p><b>Terrain</b></p> <ul style="list-style-type: none"> <li>Rough/unusual Terrain</li> <li>Flash Flood Potential</li> <li>Falling Objects (Avalanches, rock falls, etc.)</li> <li>Work along roadside shoulder</li> <li>Height (tree, cliffs)</li> </ul> <p><b>Flora/Fauna</b></p> <ul style="list-style-type: none"> <li>Wild Animal Hazards_____</li> <li>Venomous/Poisonous Plants_____</li> <li>Insects as Known Disease Carriers</li> <li>Toxic/Poisonous Plants_____</li> </ul> <p><b>Country Upheaval</b></p> <ul style="list-style-type: none"> <li>Violence (political, military)</li> </ul>	<p><b>Work Tasks</b></p> <ul style="list-style-type: none"> <li>Driving a Vehicle</li> <li>Work in Confined Space (Natural or Man-made)</li> <li>Trenching/excavating</li> <li>Work at Night/Poor Light</li> <li>Noise Generated &gt;85 dBA</li> <li>Dust/Other Particle Hazards</li> <li>Potential for Oxygen Deficient or Other</li> <li>Hazardous Waste Generation</li> <li>Transportation of hazardous Material</li> <li>Handling Hazardous Waste</li> <li>Storage of Hazardous Waste</li> <li>Site lacks Portable Water</li> <li>Lack of sanitation facilities</li> <li>Electrical Hazard</li> <li>Fire Hazards (wildfires)</li> <li>Flying UAV (Drones)</li> <li>Climbing/Strenuous Hiking Required</li> </ul> <p><b>Equipment Used in Field Area</b></p> <ul style="list-style-type: none"> <li>Snowmobile/ATV</li> <li>Chartered Ship/Boat/Canoe/Kayak</li> <li>Forklift/Heavy Equipment</li> </ul> <p><b>Material Brought to Field Area</b></p> <ul style="list-style-type: none"> <li>Chemicals</li> <li>Biological</li> <li>Radiological</li> </ul>
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Section III.

<b>Safety Plan: Describe Safety or procedures for the hazard(s) identified in the field research activities. (Attach Separate sheets of paper if necessary)</b>		
<b>Personal Protective Equipment or clothing required: All field activities require basic protections including appropriate field clothing, hand protection, safety shoes/boots, and eye protection. Any additional PPE requirements based on hazards identified as part of minimizing risk to exposure, injury or illness. (Check all that Apply)</b>		
Face Shield/safety glasses Hearing Protection Hard Hat Rain Gear Foot Protection	Respirator Dusk Mask Cartridge/filter	Portable Eye Wash Fall Protection Extraction Equipment Confined Space Other

Travel Immunizations: Please contact MIT medical before travels. List any required immunization for/prophylaxis required for this field study	
Preparedness (Check all that Apply)	
Medication Allergy Treatment Adequate Food& Water Supplies Water Purification Tablets or Devices Other	
<b>Safety Training</b>	
First Aid/CPR	Bio Safety Trained
Certified Scuba Diver	Radiation Safety Trained
Protection Specific Hazard Communication	Laser Safety Trained
Hazmat trained	Forklift/Other Heavy Equipment
Dangerous Good/Hazardous Material Trained	Confined Space Entrant/Attendant/Supervisor
Certified Scuba Diver	Wilderness Safety Trained

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### Section IV.

Sample Collection: What Types of Samples are you collecting (Water, Soil, Rock, Plant,). Does it have chemical, biological, or radiation component? Please identify so EHS Office can help you transport back to the lab.

### Section V

Emergency Plan/Procedures & Rally Point: Describe emergency response procedures in an event of an injury, exposure, accident, or emergency situation. Include emergency communication, evacuation plans etc. Attach separate sheet of paper if necessary.

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### Section VI

Field Work Follow Up: Please write down any areas to improve on safety upon return. Were there any minor issue that can be correct for next trip

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### Section VI

EHS Safety Review & Comments: This is safety advice not always taken into account from field researches that will improve safety communication (To be filled out by MIT EHS Qualified person)

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