



# New Horizons Message Initiative



Project: NHMI PI: Jon Lomborg, Design Director, Voyager Records (lomborg@aloha.net)

## Mission Description and Objectives:

- We propose creating and uploading a message to the NH spacecraft's memory, following a successful Pluto encounter.
- In the tradition of the Voyager Records, this message will be a self-portrait of our planet and species to be shared with all humanity and potentially with intelligent species elsewhere. The message contents will be crowd-sourced from people worldwide and thus represent the species as a whole. Our international board of expert space scientists and engineers has determined this to be technically feasible and are willing to manage all technical details. Programs for K-12 students will also increase interest in the NH mission as well as show students how they may share this rare chance to help make a message that will soar among the stars



## Approach:

- Petition NASA to upload a message to the NH spacecraft. NASA will have final review and approval of all contents.
- Organize a campaign to raise all the funds the project requires, including DSN transmission services.
- Determine message content and technical requirements
- Invite and manage worldwide submissions and judging for contents of message.
- Support all NH outreach and organize public events, working in concert with NASA and the mission. Our team already includes educators from NASA's New Horizons Educator Fellowship Program and distinguished astronomy communicators from many countries.

## Partners:

- Astronaut Ellison S. Onizuka Space Center, Hawaii USA
- Franklin Institute, Philadelphia PA USA
- Canada-France-Hawaii Telescope, Hawaii USA
- SETI Institute, Mountainview, CA, USA
- The SETI League, Inc., New Jersey USA

## Schedule Milestones and Deliverables: Target:

2013: Initiate NASA petition drive	TRL 2
2013: Proposal to NASA	TRL 3
2014: Solicit crowd-source submissions	TRL 4
2014: NH Teacher Workshop, NSTA Boston	TRL 5
2015: Finalize message design	TRL 6
2015: New Horizons Pluto encounter	TRL 7
2017: Upload New Horizons Message	TRL 8
2018: New Horizons Kuiper Belt encounter	TRL 9

TRL in = 2

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