“Mitigating the Impact of Tsunami Debris on Coastlines”
November 14, 2011
The workshop hosts

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Agenda of the workshop

POST 414

Morning session 9:00-12:00. What do we know and what are we concerned about?

Lunch break: 12:00 – 1:00

Afternoon session 1:00-3:00. What can we do to mitigate the impact?

POST 404

Demonstrations of computer movies on “Magic Planet” and of samples of marine debris in Hawaii – throughout the day.
Q: Why is this workshop held at the University of Hawaii?

A1: Hawaii is the first region outside of Japan that will be affected by debris from March 11, 2011 tsunami

A2: Hawaii is the final destination of marine debris from the entire North Pacific

A3: Lack of knowledge triggers research activity
Q: Why is this workshop held now?

A1: Recent confirmation by direct observations

A2: Preparing for landfall on Midway islands

A3: APEC meeting
March 11, 2011 tsunami in Japan
EARTHQUAKE
11.3.2011 - 14:45 (PT)
8.9 MAGNITUDE

- Earthquake epicenter
- Damaged nuclear power plant
- Radioactive contamination

JAPAN
Tokyo
Miyagi Prefecture
Onagawa
Fukushima 1 - Daiichi
Fukushima 2 - Daini
Tokai

Pacific Ocean
March 11, 2011 tsunami in Japan
Photos of debris plume off Honshu after March 11, 2011 tsunami

Courtesy of US Navy
Color images from satellites

before

after
東北地方太平洋沖地震に伴う航行警報位置図

この図はNAVTEX航行警報を図示したもので、航行警報の番号をクリックすると詳細が表示されます。
（時間帯は更新していません。なお、地域航行警報は提供していません。）
最新の情報は以下を参照してください。
NAVTEX航行警報 http://www1.kaigo.mlit.go.jp/TUHOYoho/cgi/okat/map.cqi?18ALL&BPNAVJP
地域航行警報 http://www1.kaigo.mlit.go.jp/TUHOYoho/cgi/okat/map.cqi?16&LL&ZENKU
Backup files
March 11, 2011 tsunami in Japan
Sinks of debris in the North Pacific. Red dots show grounded drifters.

Trajectories of drifters starting from the North Pacific convergence.
“Pallada” found tsunami debris where SCUD predicted

Observed maximum density of debris

Small fishing boat, registered in Fukushima Prefecture