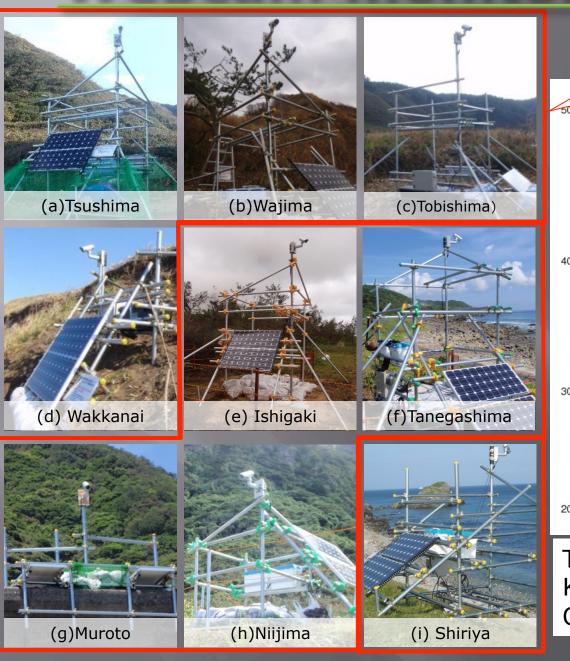
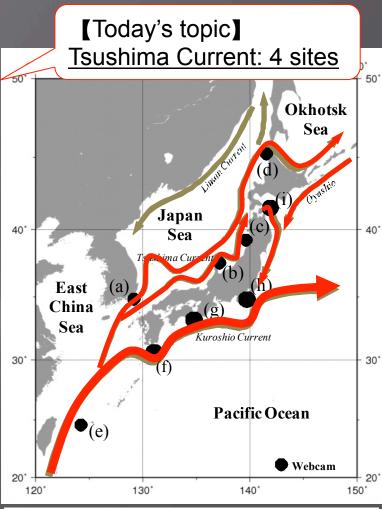
Webcam monitoring sites

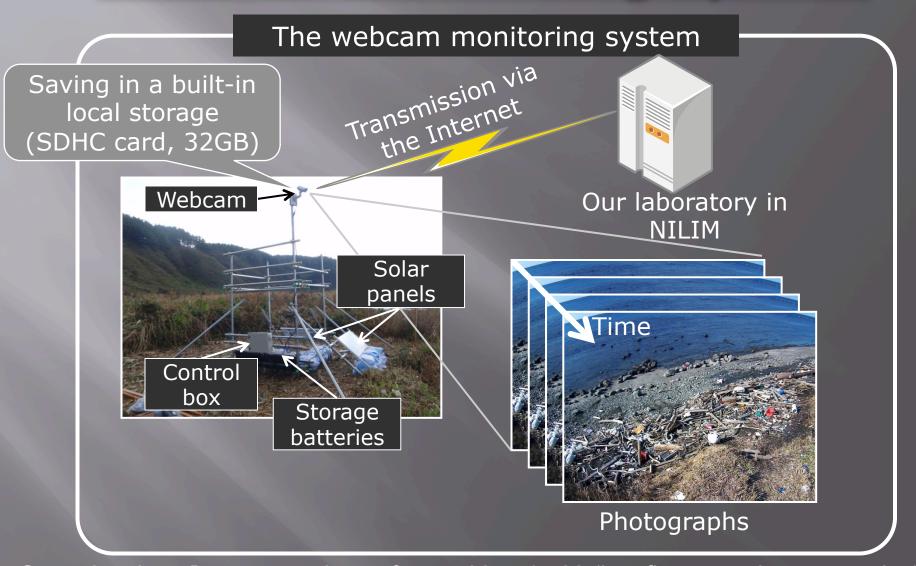




Tsushima current: 4 sites Kuroshio current: 4 sites

Oyashio: 1 site

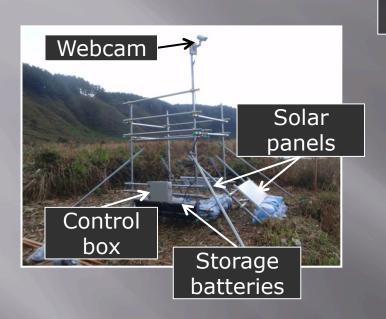
Webcam monitoring system

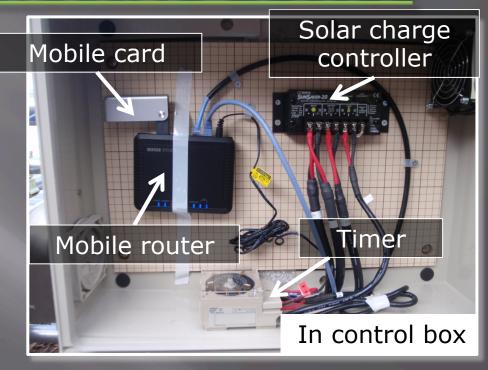


Operating time → every two hours from 7:00 to 15:00 (i.e., five operations every day) Taking photographs → five photographs every operating time

Daily number of photographs → 25 photographs (i.e., 5 (operations)× 5 (photos)=25)

Picture of electric device









System specification

Product	Number	Type and maker
Webcam	1	IP7361, Vivotek
Mobile router	1	DCR-G54/U, I-O Data Device
Solar panel	2	DCO80-12S, Denryo
Storage battery	2	DC-31, ACDerco
Solar charge controller	1	SS-20L, Denryo
Timer	1	H2F-31, Omron
Mobile card	1	L-05A, LG Electronics
Control box	1	PL16-54K, Nitto Kogyo Corporation

cost (electric devices)≈\$4,000/system

Connection diagram

