

Ocean and tQ A

o

h

Sie tifi u de sta di g of the o ea espa i e s ie tists, esea ha d edu atio
i est e tsfo o ea o se atio . De eloped ou t ies a e
ea so o ea s, li ate a d hu a a ti it , to deli e ea
ne a d app oa hes to disaste isk edu tio . Ad a es i
egio al o u i atio s ste sa e ota le, a d a ake
ette app oa he t a ti e a d o e t a ti e a ti ities, o deal
si hu a a di stitutio al apa it a d la k of esou es still
aki g ad a tage of hat is o offe to e ha e a tio a d to
ea health. I ost ases, atio al o ea esea h poli ies as
at ould defi e a path a to suppo t su h de elop e t a e
edi le s ie tifi data a d i fo atio still e ui es ajo
te dis ipli a s ie tifi olla o atio pai ed ith te h olog
gaps.

Se e al gapsi ou k o ledge e ai despite g eatad a e e ts i the last ea sofo ea esea h
pd esF e ag a E toE l of the a si hi h e e fit fo hit.
It is ot et possi le to pla e a e pli it alue o the e os ste se i es de i ed fo the o ea . The e
a e a gapsi the i fo atio ee ie e po tfolio of a ti ities of IO# deals
e s of the U e e Sta

o se atio p og a es; a d fa ilitates the de elop e t of apa ities i o ea s ie e. The ai a eas of e phasis of IO# s o k i the a ea of o ea s ie e a e as follo s:

O ea a idifi atio. O ea has a so ed a ou d app o i atel pe e t of a o dio ide #O eleas to the at osphe e as a esult of hu a a ti ities. As #O dissol es i sea ate , it fo s a o i a id, de easi g the o ea spH. This is alled o ea a idifi atio . The a idit of the o ea hasi eases pe e t si e the egi i g of the i dust ial e a.

Asa o se ue eof a o a so ptio , the o ea s futu e apa it to sto e a o dio ide a d help



Eutrophication and erosion: The utilization of it is V and phosphorus due to agricultural, urban and industrial activities. Households and industries have easily disposed of their wastes. This causes the pollution of food products, health of people and dead zones in the sea.

se ies of egio al o sultatio s fo esee i / to take pla e i all o ea asis that ill ha el stakeholde s i puts i to the p epa ato p o ess. "e o d the s ie tifi p o ess itself, the e as ide

I the ou se of , IO# a ti el p o ided te h i al suppo t to U e e States to epo t to a ds the SD8 i di ato . . . The #o issio o p o ides the ethodolog ith detailed guida e to sie tists a d ou ties i te s of ho to a out easu e e ts follo i g the est p a ti es esta lished the o ea a idifi atio o u it , as ell as ho to epo t the olle ted i fo atio i a a e thate su es it is ta spa e t, t a ea lea d that a e utilized i a glo al o pa iso of pH easu e e ts. I this a , IO# a d its et o ks, i ludi g the

It. St e gthe i go se atio et o ksa de e gi gte h ologies

#o ti uous a ess to the ope o ea , oastal zo es a d ate sheds depe ds o o el i fast u tu e a d te h olog , fo se so s to eseas h essels to auto o ous ehi les. kesea h essels a e a esse tial o po e t of o ea eseas h i fast u tu e as the p o ide a ess to oth the ope o ea a d oastal a eas. E ol i gs ie e eeds, ost p essu es a d e e te h ologies, su h as ad a es i auto o ous u de ate ehi les AUts a d e otel ope ated ehi les kOts , ha e ha ged o ea s ie e i fast u tu e. Ho e e , this has ot lesse ed the eli

u de ate su e issio ssu hasdete ti g a d appi gsu e ged e ks, o ksa do stu tio s

Earth observing satellites ep ese t so e of the ost alued o po e ts of the i te atio al 8lo al O ea O se i g S ste 800S a d of the 8lo al #li ate O se i g S ste 8#OS. Satellite i age a d satellite de i ed data a e e ui ed fo appi g ital oastal a d a i e esou es, i p o i g a iti e do ai a a e ess, a d to ette u de sta d the o ple ities of la d, o ea , at osphe e, i e, iologi al, a d so ial i te a tio s. These data a e iti al to the stategi pla i g of i situ o se i g o po e ts a d a e iti al to i p o i g fo e asti g a d u e i al odeli g. Spe ifi all , the e a e se e al stakeholde o u ities that e ui e pe iodi , fe ue t, a d sustai ed s opti o se atio s. Of pa ti ula i po ta e a e i di ato s of e os ste st u tu e ha itat a d spe ies i e to ies, e os ste states health a d ha ge a d o se atio sa outph si al a d iogeo he i al a ia les to suppo t the ope atio al a d esea h o u ities, a d i dust se to s i ludi g i i g, fishe ies, a d t a spo tatio . Pa t e ships et ee the p i ate, go e e t, a d edu atio se to s a e eeded to e ha e e ote se si g suppo t a d p odu t de elop e t fo iti al oastal a d deep ate egio s ased o i f a ed, o ea olo , a d i o a e satellite se so s.

t. S ie e poli i te fa e

IO# o t i utes to s ie tifi a d te h i al o k u de pi i g the dis ussio s a d deli e atio s the UV7### a d its S" STA, pa ti ula l i the a ea of esea h a d

e peditio s, sha ed i f ast u tu e a d e te h olog de elop e