



**ISS: BENEFITS FOR HUMANITY
SERVING THE
WORLD**

1
00:00:14,310 --> 00:00:12,870
servir is a joint nasa and usaid program

2
00:00:15,829 --> 00:00:14,320
where we're working with developing

3
00:00:18,070 --> 00:00:15,839
countries around the world and

4
00:00:19,990 --> 00:00:18,080
strengthening their ability to use

5
00:00:22,790 --> 00:00:20,000
satellites to address the many problems

6
00:00:25,029 --> 00:00:22,800
that they have including floods fires

7
00:00:27,109 --> 00:00:25,039
harmful algal blooms and other types of

8
00:00:29,109 --> 00:00:27,119
events that they have where they can use

9
00:00:31,750 --> 00:00:29,119
satellites to really make better

10
00:00:33,910 --> 00:00:31,760
decisions we're using space information

11
00:00:35,830 --> 00:00:33,920
to help decisions that affect people in

12
00:00:38,630 --> 00:00:35,840
the village where they live when there's

13
00:00:40,470 --> 00:00:38,640

a major disaster governments around the

14

00:00:41,750 --> 00:00:40,480

world come together

15

00:00:44,549 --> 00:00:41,760

and they

16

00:00:46,869 --> 00:00:44,559

they provide all of the satellite data

17

00:00:49,430 --> 00:00:46,879

basically that the world has to offer

18

00:00:51,430 --> 00:00:49,440

but they're smaller disasters that occur

19

00:00:52,950 --> 00:00:51,440

in the countries that we work in that

20

00:00:55,350 --> 00:00:52,960

may not make the front page of the new

21

00:00:57,990 --> 00:00:55,360

york times but in that country it's a

22

00:00:59,990 --> 00:00:58,000

really big deal we asked ourselves could

23

00:01:01,830 --> 00:01:00,000

we make a difference if we had a

24

00:01:04,630 --> 00:01:01,840

dedicated imager

25

00:01:06,789 --> 00:01:04,640

for acquiring imagery quickly after

26

00:01:08,469 --> 00:01:06,799

natural disasters and to be able to

27

00:01:10,710 --> 00:01:08,479

provide that imagery back to the

28

00:01:13,190 --> 00:01:10,720

countries that need them that have

29

00:01:15,830 --> 00:01:13,200

real decisions that need to be made with

30

00:01:18,789 --> 00:01:15,840

a very quick turnaround as nasa we

31

00:01:20,550 --> 00:01:18,799

looked in our own backyard and

32

00:01:25,990 --> 00:01:20,560

started thinking could we use the

33

00:01:30,149 --> 00:01:27,670

the international space station was a

34

00:01:32,789 --> 00:01:30,159

really fantastic asset to take advantage

35

00:01:36,069 --> 00:01:32,799

of because it it passes over 90 of the

36

00:01:37,590 --> 00:01:36,079

earth's populated area every 24 hours we

37

00:01:40,149 --> 00:01:37,600

developed an imaging system and we

38

00:01:43,030 --> 00:01:40,159

called it iserv which basically is a

39

00:01:45,270 --> 00:01:43,040

camera and a telescope system that sits

40

00:01:47,670 --> 00:01:45,280

inside the international space station

41

00:01:49,749 --> 00:01:47,680

and can collect imagery when it passes

42

00:01:51,109 --> 00:01:49,759

over natural disasters or other events

43

00:01:53,429 --> 00:01:51,119

that we need to collect imagery

44

00:01:56,709 --> 00:01:53,439

initially we were planning to take few

45

00:01:59,270 --> 00:01:56,719

pictures per day so we contacted all the

46

00:02:01,749 --> 00:01:59,280

usa missions around the world and in

47

00:02:04,630 --> 00:02:01,759

total we have more than 2 000 requests

48

00:02:07,990 --> 00:02:04,640

coming you know for people who need

49

00:02:11,029 --> 00:02:08,000

images from isil and we moved to like a

50

00:02:13,190 --> 00:02:11,039

thousand images per day we provided

51
00:02:16,150 --> 00:02:13,200
i serve imagery for many many natural

52
00:02:18,790 --> 00:02:16,160
disasters including floods and fires for

53
00:02:21,510 --> 00:02:18,800
deforestation for volcanic eruptions for

54
00:02:23,030 --> 00:02:21,520
earthquakes so it was really a fantastic

55
00:02:25,190 --> 00:02:23,040
example showing

56
00:02:28,070 --> 00:02:25,200
how imagery from the international space

57
00:02:29,190 --> 00:02:28,080
station could be used in these times of

58
00:02:32,470 --> 00:02:29,200
dire need

59
00:02:36,470 --> 00:02:32,480
and now we have a huge archives of

60
00:02:38,390 --> 00:02:36,480
images of areas around the world so this

61
00:02:41,910 --> 00:02:38,400
is something that was not really there

62
00:02:43,750 --> 00:02:41,920
before i serve is an example of in

63
00:02:46,869 --> 00:02:43,760

essence making the international space

64

00:02:49,350 --> 00:02:46,879

station even more international and