



1  
00:00:54,539 --> 00:01:00,850  
huh

2  
00:01:05,870 --> 00:01:03,170  
[Applause]

3  
00:01:08,450 --> 00:01:05,880  
hello and welcome to NASA headquarters

4  
00:01:11,149 --> 00:01:08,460  
I'm Kate Calvin NASA's Chief scientist

5  
00:01:13,130 --> 00:01:11,159  
and Senior climate advisor thank you all

6  
00:01:15,050 --> 00:01:13,140  
for joining us today as we open the

7  
00:01:18,050 --> 00:01:15,060  
Earth information center here in

8  
00:01:19,730 --> 00:01:18,060  
Washington DC before we begin I'd like

9  
00:01:21,590 --> 00:01:19,740  
to take a moment to thank the entire

10  
00:01:23,929 --> 00:01:21,600  
NASA Earth information planning team

11  
00:01:26,090 --> 00:01:23,939  
whose tireless work made what we are

12  
00:01:28,490 --> 00:01:26,100  
here to celebrate possible and with

13  
00:01:30,109 --> 00:01:28,500

support from our NASA leadership and I'd

14

00:01:31,609 --> 00:01:30,119

also like to thank our partners who

15

00:01:34,130 --> 00:01:31,619

you'll hear from today for your

16

00:01:35,690 --> 00:01:34,140

collaboration and support so we're going

17

00:01:37,550 --> 00:01:35,700

to hear some brief remarks and then

18

00:01:39,950 --> 00:01:37,560

we'll invite everyone to join us inside

19

00:01:41,630 --> 00:01:39,960

so to start things off I'm honored to

20

00:01:43,440 --> 00:01:41,640

turn this over to NASA administrator

21

00:01:50,090 --> 00:01:43,450

Bill Nelson

22

00:01:53,210 --> 00:01:50,100

[Applause]

23

00:01:56,149 --> 00:01:53,220

good morning everybody

24

00:02:00,109 --> 00:01:56,159

welcome to the new Earth information

25

00:02:07,310 --> 00:02:05,990

so that's not the only new thing at Nasa

26

00:02:14,900 --> 00:02:07,320

today

27

00:02:14,910 --> 00:02:24,229

[Applause]

28

00:02:31,550 --> 00:02:28,010

along with the blue Insignia that you

29

00:02:34,430 --> 00:02:31,560

all are familiar with

30

00:02:39,530 --> 00:02:34,440

it is uh by the way one of the most

31

00:02:41,589 --> 00:02:39,540

powerful uh signals uh of insignias of

32

00:02:47,990 --> 00:02:41,599

logos in the world

33

00:02:51,949 --> 00:02:48,000

whenever I travel abroad I always take a

34

00:02:55,729 --> 00:02:51,959

little survey of which do I see most

35

00:03:00,170 --> 00:02:55,739

the New York Yankees logo

36

00:03:03,410 --> 00:03:00,180

or the NASA meatball as we call it

37

00:03:06,309 --> 00:03:03,420

um I think New York Yankees Insignia is

38

00:03:13,009 --> 00:03:09,770

earlier this month over a hundred

39

00:03:15,770 --> 00:03:13,019

million Americans were under air quality

40

00:03:18,890 --> 00:03:15,780

index alerts

41

00:03:20,089 --> 00:03:18,900

the smoke Drift from the wildfires in

42

00:03:23,030 --> 00:03:20,099

Canada

43

00:03:25,610 --> 00:03:23,040

was just the latest Stark reminder of

44

00:03:27,110 --> 00:03:25,620

how the climate crisis is disrupting

45

00:03:29,990 --> 00:03:27,120

communities

46

00:03:32,570 --> 00:03:30,000

and putting our health and our

47

00:03:35,210 --> 00:03:32,580

livelihoods at risk

48

00:03:38,270 --> 00:03:35,220

and the images of smoke stretching

49

00:03:41,270 --> 00:03:38,280

across the states and the borders

50

00:03:44,149 --> 00:03:41,280

that if you were here in DC

51  
00:03:47,750 --> 00:03:44,159  
uh from my vantage point across the

52  
00:03:50,030 --> 00:03:47,760  
river at the Iwo Jima memorial I could

53  
00:03:52,970 --> 00:03:50,040  
not see the Lincoln

54  
00:03:55,550 --> 00:03:52,980  
just across the river

55  
00:03:57,589 --> 00:03:55,560  
even more so I couldn't see the

56  
00:04:00,050 --> 00:03:57,599  
Washington Monument

57  
00:04:02,809 --> 00:04:00,060  
uh and uh

58  
00:04:05,930 --> 00:04:02,819  
and yet it's another reminder of

59  
00:04:09,830 --> 00:04:05,940  
something is happening to the climate

60  
00:04:13,789 --> 00:04:09,840  
for more than 60 years NASA has been

61  
00:04:16,009 --> 00:04:13,799  
using our vantage point of space to

62  
00:04:19,870 --> 00:04:16,019  
observe the Earth

63  
00:04:23,270 --> 00:04:19,880

and in just the last six months

64

00:04:25,129 --> 00:04:23,280

NASA has launched a series of satellite

65

00:04:27,950 --> 00:04:25,139

missions now this is just in the last

66

00:04:30,350 --> 00:04:27,960

six months four missions

67

00:04:33,409 --> 00:04:30,360

one called SWAT

68

00:04:35,570 --> 00:04:33,419

to study surface water

69

00:04:38,330 --> 00:04:35,580

including for the first time the

70

00:04:40,550 --> 00:04:38,340

elevation of fresh water

71

00:04:45,490 --> 00:04:40,560

the rivers the Lakes the streams the

72

00:04:48,530 --> 00:04:45,500

reservoirs Tempo to study air pollution

73

00:04:52,430 --> 00:04:48,540

emit to study

74

00:04:56,230 --> 00:04:52,440

mineral dust and methane

75

00:04:59,350 --> 00:04:56,240

and Tropics to study tropical Cyclones

76

00:05:02,290 --> 00:04:59,360

and hurricanes

77

00:05:04,430 --> 00:05:02,300

so this vital

78

00:05:07,550 --> 00:05:04,440

life-saving data

79

00:05:14,409 --> 00:05:12,110

but do folks really know how to access

80

00:05:19,129 --> 00:05:14,419

it

81

00:05:22,129 --> 00:05:19,139

and that's why we're Gathering today

82

00:05:25,430 --> 00:05:22,139

the science is clear

83

00:05:28,070 --> 00:05:25,440

so is the fact that we're all in this

84

00:05:33,170 --> 00:05:30,950

uh the Biden Harris Administration has

85

00:05:35,570 --> 00:05:33,180

given us marching orders

86

00:05:37,969 --> 00:05:35,580

and that the data ought to be more

87

00:05:39,350 --> 00:05:37,979

understandable it ought to be more

88

00:05:43,070 --> 00:05:39,360

accessible

89

00:05:45,650 --> 00:05:43,080

it ought to be more usable for everyone

90

00:05:48,350 --> 00:05:45,660

and that's everyone

91

00:05:51,710 --> 00:05:48,360

everywhere

92

00:05:54,110 --> 00:05:51,720

today we are opening this Earth

93

00:05:58,370 --> 00:05:54,120

information center

94

00:06:04,790 --> 00:06:02,270

whether folks live in cities or on farms

95

00:06:07,850 --> 00:06:04,800

in Suburban areas

96

00:06:11,749 --> 00:06:07,860

people are making decisions every day

97

00:06:14,930 --> 00:06:11,759

that relate to preparing for the impacts

98

00:06:20,689 --> 00:06:17,090

we want to help them

99

00:06:23,390 --> 00:06:20,699

we collectively we all of the agencies

100

00:06:27,110 --> 00:06:23,400

represented here

101  
00:06:30,370 --> 00:06:27,120  
home buyers need information

102  
00:06:32,330 --> 00:06:30,380  
to assess flood risk

103  
00:06:34,430 --> 00:06:32,340  
businesses

104  
00:06:39,050 --> 00:06:34,440  
near the water

105  
00:06:42,890 --> 00:06:39,060  
need information on algae blooms

106  
00:06:46,070 --> 00:06:42,900  
Farmers need to know where and when to

107  
00:06:49,129 --> 00:06:46,080  
plant crops especially during a drought

108  
00:06:50,270 --> 00:06:49,139  
or to know that a drought is coming or

109  
00:06:55,090 --> 00:06:50,280  
to know

110  
00:06:56,689 --> 00:06:55,100  
that the rains like a monsoon are coming

111  
00:07:01,909 --> 00:06:56,699  
firefighters

112  
00:07:04,610 --> 00:07:01,919  
need data in order to manage wildfires

113  
00:07:07,670 --> 00:07:04,620

and the Earth information center can

114

00:07:11,390 --> 00:07:07,680

Empower them it's the first of its kind

115

00:07:15,950 --> 00:07:11,400

physical and virtual space

116

00:07:18,050 --> 00:07:15,960

to engage and to underscore NASA's earth

117

00:07:21,230 --> 00:07:18,060

science impact

118

00:07:26,390 --> 00:07:21,240

to show people that our home planet

119

00:07:29,870 --> 00:07:26,400

is as we see it from space

120

00:07:32,150 --> 00:07:29,880

and by the way that's an incredible View

121

00:07:33,950 --> 00:07:32,160

when you look out the window of a

122

00:07:36,890 --> 00:07:33,960

spacecraft

123

00:07:40,730 --> 00:07:36,900

you look at the edge the rim of the

124

00:07:42,830 --> 00:07:40,740

earth and you see that thin fill and you

125

00:07:45,110 --> 00:07:42,840

suddenly understand

126

00:07:47,870 --> 00:07:45,120

that that's the atmosphere and that

127

00:07:51,290 --> 00:07:47,880

sustains all of our life and then with

128

00:07:53,749 --> 00:07:51,300

the naked eye you can see how we are

129

00:07:56,270 --> 00:07:53,759

messing it up

130

00:08:00,770 --> 00:07:56,280

so this idea of the Earth information

131

00:08:08,390 --> 00:08:04,029

first came to me because I'm familiar

132

00:08:11,510 --> 00:08:08,400

NASA is familiar with Mission Control

133

00:08:15,529 --> 00:08:11,520

it's where we bring all the data into

134

00:08:17,270 --> 00:08:15,539

one room about a space mission

135

00:08:19,070 --> 00:08:17,280

of the launch

136

00:08:21,830 --> 00:08:19,080

The Landing

137

00:08:28,670 --> 00:08:25,550

and so I said why can't we do this with

138

00:08:30,710 --> 00:08:28,680

all this information on all of our

139

00:08:32,690 --> 00:08:30,720

assets

140

00:08:36,290 --> 00:08:32,700

that are up there

141

00:08:38,389 --> 00:08:36,300

bring it all together in a user-friendly

142

00:08:41,990 --> 00:08:38,399

way

143

00:08:44,269 --> 00:08:42,000

and then don't just display it in one

144

00:08:46,010 --> 00:08:44,279

physical location

145

00:08:50,150 --> 00:08:46,020

but make it

146

00:08:51,889 --> 00:08:50,160

available to everybody virtually

147

00:08:53,930 --> 00:08:51,899

real time

148

00:08:57,110 --> 00:08:53,940

and what you're going to see when you

149

00:08:59,210 --> 00:08:57,120

walk in here and see this hyper wall

150

00:09:01,610 --> 00:08:59,220

you're going to see

151  
00:09:04,850 --> 00:09:01,620  
real time

152  
00:09:08,329 --> 00:09:04,860  
right now information

153  
00:09:11,329 --> 00:09:08,339  
that is being beamed to the Earth

154  
00:09:13,850 --> 00:09:11,339  
from dozens of spacecraft

155  
00:09:17,509 --> 00:09:13,860  
about a particular issue and then you

156  
00:09:20,030 --> 00:09:17,519  
will see the hyper wall will change and

157  
00:09:21,710 --> 00:09:20,040  
it will give you additional data from

158  
00:09:24,410 --> 00:09:21,720  
other assets

159  
00:09:28,310 --> 00:09:24,420  
in space

160  
00:09:29,810 --> 00:09:28,320  
and when you go on [nasa.gov](http://nasa.gov) and get this

161  
00:09:32,150 --> 00:09:29,820  
virtually

162  
00:09:35,870 --> 00:09:32,160  
you're going to be able to freeze the

163  
00:09:38,210 --> 00:09:35,880

frame if that frame of the hyper wall is

164

00:09:41,810 --> 00:09:38,220

the information you're seeking

165

00:09:44,389 --> 00:09:41,820

you'll be able to freeze that frame and

166

00:09:46,670 --> 00:09:44,399

use that data

167

00:09:49,009 --> 00:09:46,680

and so

168

00:09:53,030 --> 00:09:49,019

what we have

169

00:09:56,449 --> 00:09:53,040

is bringing it all together

170

00:09:59,509 --> 00:09:56,459

the Earth information center is just one

171

00:10:01,430 --> 00:09:59,519

component of our broader strategy to

172

00:10:03,829 --> 00:10:01,440

deliver science

173

00:10:07,389 --> 00:10:03,839

to the public

174

00:10:11,389 --> 00:10:07,399

and to decision makers who want science

175

00:10:13,370 --> 00:10:11,399

to inform their decisions

176  
00:10:15,530 --> 00:10:13,380  
and so I want to thank everybody that

177  
00:10:20,090 --> 00:10:15,540  
made this possible

178  
00:10:21,829 --> 00:10:20,100  
uh NASA astronauts Nicole Scott who's

179  
00:10:23,930 --> 00:10:21,839  
here with us today

180  
00:10:28,070 --> 00:10:23,940  
and Drew feustel

181  
00:10:30,230 --> 00:10:28,080  
help bring our immersive experience to

182  
00:10:33,470 --> 00:10:30,240  
life and you're going to see that it's

183  
00:10:36,110 --> 00:10:33,480  
another part in here as you walk in

184  
00:10:40,190 --> 00:10:36,120  
you're going to suddenly be in space

185  
00:10:42,290 --> 00:10:40,200  
looking down at the Earth

186  
00:10:44,509 --> 00:10:42,300  
our partners across the federal

187  
00:10:47,769 --> 00:10:44,519  
government and they're represented here

188  
00:10:51,250 --> 00:10:47,779

and are going to speak to US EPA NOAA

189

00:10:54,410 --> 00:10:51,260

USDA USGS

190

00:10:58,130 --> 00:10:54,420

usaid FEMA

191

00:11:00,470 --> 00:10:58,140

and more I don't like acronyms but if I

192

00:11:04,009 --> 00:11:00,480

said all those words it'd take me three

193

00:11:11,389 --> 00:11:07,910

and a big thanks to the NASA team who

194

00:11:14,090 --> 00:11:11,399

made this possible for NASA climate and

195

00:11:17,030 --> 00:11:14,100

Earth Science missions are part of our

196

00:11:19,610 --> 00:11:17,040

Discovery we are not just a space agency

197

00:11:20,810 --> 00:11:19,620

we're not just an aeronautical research

198

00:11:24,590 --> 00:11:20,820

agency

199

00:11:28,150 --> 00:11:24,600

we are a climate Agency for the obvious

200

00:11:33,530 --> 00:11:31,610

I want us to think back to that

201  
00:11:37,970 --> 00:11:33,540  
prophetic statement

202  
00:11:45,110 --> 00:11:42,889  
when Apollo ate orbited the moon for the

203  
00:11:49,370 --> 00:11:45,120  
first time

204  
00:11:54,290 --> 00:11:49,380  
an astronaut Bill Anders said

205  
00:11:56,870 --> 00:11:54,300  
we came all this way to explore the Moon

206  
00:12:01,190 --> 00:11:56,880  
and the most important thing that we

207  
00:12:08,210 --> 00:12:04,069  
NASA has been studying Earth since the

208  
00:12:10,870 --> 00:12:08,220  
Apollo era and will continue now under

209  
00:12:15,230 --> 00:12:10,880  
the Artemis era

210  
00:12:20,990 --> 00:12:15,240  
with the Artemis generation

211  
00:12:22,490 --> 00:12:21,000  
so let us explore these new cosmic

212  
00:12:23,870 --> 00:12:22,500  
Shores

213  
00:12:25,550 --> 00:12:23,880

and

214

00:12:29,269 --> 00:12:25,560

protect

215

00:12:36,310 --> 00:12:34,490

both the 21st century priorities are

216

00:12:42,530 --> 00:12:36,320

ours now

217

00:12:46,009 --> 00:12:42,540

explore space and protect our own home

218

00:12:57,590 --> 00:12:46,019

both are more important than ever

219

00:13:01,310 --> 00:12:59,930

thank you administrator Nelson now I'd

220

00:13:03,290 --> 00:13:01,320

like to invite our partners starting

221

00:13:05,210 --> 00:13:03,300

with the U.S Geological Survey so let me

222

00:13:06,950 --> 00:13:05,220

introduce Dr David Applegate director of

223

00:13:10,870 --> 00:13:06,960

USGS

224

00:13:16,389 --> 00:13:13,730

well thank you so much Kate and thank

225

00:13:19,250 --> 00:13:16,399

you administrator Nelson for your vision

226

00:13:21,530 --> 00:13:19,260

that has been brought about through this

227

00:13:23,810 --> 00:13:21,540

Earth information center and for your

228

00:13:27,350 --> 00:13:23,820

commitment to engaging Federal Partners

229

00:13:30,170 --> 00:13:27,360

in this amazing effort what an inspiring

230

00:13:32,449 --> 00:13:30,180

way to learn more about the Earth and

231

00:13:33,769 --> 00:13:32,459

what we do to safeguard it for future

232

00:13:35,690 --> 00:13:33,779

Generations

233

00:13:37,730 --> 00:13:35,700

I'm thrilled to be here with our

234

00:13:39,590 --> 00:13:37,740

assistant secretary Tanya Trujillo and

235

00:13:41,990 --> 00:13:39,600

our Deputy assistant secretary annalize

236

00:13:44,509 --> 00:13:42,000

Blum to represent the department of the

237

00:13:47,210 --> 00:13:44,519

interior and secretary Deb Holland who

238

00:13:48,769 --> 00:13:47,220

sends her regards and appreciation as

239

00:13:51,050 --> 00:13:48,779

the science arm of the Department of the

240

00:13:53,150 --> 00:13:51,060

Interior the USGS is committed to

241

00:13:55,610 --> 00:13:53,160

delivering actionable information to

242

00:13:57,170 --> 00:13:55,620

help Society address complex issues

243

00:14:00,530 --> 00:13:57,180

related to the environment to natural

244

00:14:02,569 --> 00:14:00,540

resources and to Public Safety and in so

245

00:14:05,569 --> 00:14:02,579

many cases that involves Partnerships

246

00:14:08,990 --> 00:14:05,579

with our good friends at Nasa and none

247

00:14:12,530 --> 00:14:09,000

more than our enduring partnership over

248

00:14:14,690 --> 00:14:12,540

50 years of partnering on the landsat

249

00:14:17,629 --> 00:14:14,700

series of satellites

250

00:14:19,910 --> 00:14:17,639

this uh these are land Imaging

251  
00:14:22,430 --> 00:14:19,920  
workhorses they're put to use every day

252  
00:14:25,009 --> 00:14:22,440  
with thousands of applications in

253  
00:14:28,250 --> 00:14:25,019  
support of all of those complex societal

254  
00:14:31,730 --> 00:14:28,260  
decisions with the launch of landsat 9

255  
00:14:34,389 --> 00:14:31,740  
in 2021 we're bringing down more data

256  
00:14:37,490 --> 00:14:34,399  
and finding more uses than ever before

257  
00:14:40,730 --> 00:14:37,500  
and planning's underway for landsat next

258  
00:14:43,430 --> 00:14:40,740  
with its expanded spatial temporal and

259  
00:14:45,230 --> 00:14:43,440  
spectral capabilities is part of a

260  
00:14:47,689 --> 00:14:45,240  
comprehensive operational land

261  
00:14:49,009 --> 00:14:47,699  
observation program that leverages

262  
00:14:50,870 --> 00:14:49,019  
commercial and international

263  
00:14:52,910 --> 00:14:50,880

## Partnerships

264

00:14:55,310 --> 00:14:52,920

this is a partnership that will keep

265

00:15:00,590 --> 00:14:55,320

paying dividends for the nation and the

266

00:15:04,670 --> 00:15:02,750

this physical and virtual Earth

267

00:15:06,769 --> 00:15:04,680

information center reflects the

268

00:15:09,530 --> 00:15:06,779

importance of putting all the Amazing

269

00:15:12,710 --> 00:15:09,540

Earth observation data and science to

270

00:15:14,509 --> 00:15:12,720

use to help Society I'm excited to see

271

00:15:16,850 --> 00:15:14,519

how these Innovative communication

272

00:15:18,829 --> 00:15:16,860

approaches can make the science more

273

00:15:20,990 --> 00:15:18,839

accessible and deliver actionable

274

00:15:23,329 --> 00:15:21,000

information so that we can reach those

275

00:15:25,310 --> 00:15:23,339

who need it the most especially

276

00:15:27,769 --> 00:15:25,320

underserved communities

277

00:15:31,790 --> 00:15:27,779

thank you again for this opportunity to

278

00:15:37,449 --> 00:15:31,800

partner in this wonderful undertaking

279

00:15:41,389 --> 00:15:39,829

thank you next is the Environmental

280

00:15:43,670 --> 00:15:41,399

Protection Agency and I'd like to invite

281

00:15:48,670 --> 00:15:43,680

Janet McCabe Deputy Administrator at EPA

282

00:15:53,030 --> 00:15:50,750

thank you so much and good morning

283

00:15:54,889 --> 00:15:53,040

everyone it is such an honor to join

284

00:15:56,389 --> 00:15:54,899

NASA here today and all of you to

285

00:15:59,269 --> 00:15:56,399

celebrate the brand new Earth

286

00:16:01,490 --> 00:15:59,279

information center an amazing facility

287

00:16:03,949 --> 00:16:01,500

an amazing resource and goodness knows

288

00:16:06,530 --> 00:16:03,959

we need every single one possible these

289

00:16:08,949 --> 00:16:06,540

days I want to congratulate on behalf

290

00:16:11,269 --> 00:16:08,959

administrator Regan and everybody at EPA

291

00:16:13,490 --> 00:16:11,279

to everybody who's worked so hard to

292

00:16:16,129 --> 00:16:13,500

make this project a reality

293

00:16:17,569 --> 00:16:16,139

and thank you administrator Nelson there

294

00:16:19,189 --> 00:16:17,579

you are right in the middle

295

00:16:20,269 --> 00:16:19,199

um for having us here today for your

296

00:16:22,910 --> 00:16:20,279

vision

297

00:16:25,490 --> 00:16:22,920

um and for the partnership between EPA

298

00:16:27,769 --> 00:16:25,500

and NASA as we all work together to

299

00:16:29,870 --> 00:16:27,779

tackle uh one of the most pressing if

300

00:16:32,350 --> 00:16:29,880

not the most pressing environmental

301  
00:16:35,449 --> 00:16:32,360  
challenge of our lifetime climate change

302  
00:16:37,730 --> 00:16:35,459  
climate change affects every single one

303  
00:16:40,249 --> 00:16:37,740  
of us every aspect of our lives and

304  
00:16:43,310 --> 00:16:40,259  
livelihoods whether it's wildfires

305  
00:16:46,550 --> 00:16:43,320  
across the American West or the Canadian

306  
00:16:48,769 --> 00:16:46,560  
East as it might be to record shattering

307  
00:16:52,310 --> 00:16:48,779  
hurricane seasons in the gulf and east

308  
00:16:55,030 --> 00:16:52,320  
coast to Historic flooding in the middle

309  
00:16:57,470 --> 00:16:55,040  
of the country or drought take your pick

310  
00:16:59,449 --> 00:16:57,480  
Americans are seeing and feeling the

311  
00:17:01,610 --> 00:16:59,459  
impacts of climate change with

312  
00:17:03,530 --> 00:17:01,620  
increasing intensity and regularity

313  
00:17:05,510 --> 00:17:03,540

there's not one single person in this

314

00:17:07,010 --> 00:17:05,520

country that doesn't experience the

315

00:17:10,370 --> 00:17:07,020

impacts of climate change whether they

316

00:17:13,010 --> 00:17:10,380

know that or not no small town big city

317

00:17:16,490 --> 00:17:13,020

Suburban or rural community that is

318

00:17:18,409 --> 00:17:16,500

unaffected babe the urgency presented by

319

00:17:21,169 --> 00:17:18,419

the societal challenge This Global

320

00:17:23,329 --> 00:17:21,179

challenge requires us all to be laser

321

00:17:25,669 --> 00:17:23,339

focused on delivering results or should

322

00:17:28,069 --> 00:17:25,679

I say satellite focused on delivering

323

00:17:31,750 --> 00:17:28,079

results and make sure that we are

324

00:17:34,850 --> 00:17:31,760

leaving no stone unturned no tool

325

00:17:37,310 --> 00:17:34,860

unexploited for good here and no

326

00:17:40,430 --> 00:17:37,320

information not made transparent and

327

00:17:43,850 --> 00:17:40,440

understandable to policy makers decision

328

00:17:46,190 --> 00:17:43,860

makers and families across the country

329

00:17:49,310 --> 00:17:46,200

and that's exactly what this Amazing

330

00:17:51,710 --> 00:17:49,320

Earth information center aims to do EPA

331

00:17:53,330 --> 00:17:51,720

is thrilled as always to be able to work

332

00:17:55,190 --> 00:17:53,340

together with NASA and with all the

333

00:17:58,549 --> 00:17:55,200

other agencies represented here and many

334

00:18:01,730 --> 00:17:58,559

others to be able to join and being

335

00:18:04,370 --> 00:18:01,740

bring our data and our expertise and the

336

00:18:06,529 --> 00:18:04,380

people that we work with we all have

337

00:18:08,049 --> 00:18:06,539

different constituencies and so we all

338

00:18:11,090 --> 00:18:08,059

have ways of getting this information

339

00:18:13,909 --> 00:18:11,100  
out even more broadly

340

00:18:16,010 --> 00:18:13,919  
from improved data visualization to

341

00:18:18,230 --> 00:18:16,020  
expanding our understanding of natural

342

00:18:20,870 --> 00:18:18,240  
sources of methane we spent a lot of

343

00:18:22,909 --> 00:18:20,880  
time on methane these days at EPA the

344

00:18:25,610 --> 00:18:22,919  
collaborative work that EPA is doing

345

00:18:28,070 --> 00:18:25,620  
with NASA through this amazing resources

346

00:18:30,230 --> 00:18:28,080  
will make a real difference in our

347

00:18:32,990 --> 00:18:30,240  
effort to tackle the climate crisis and

348

00:18:35,090 --> 00:18:33,000  
I'm really proud to be associated with

349

00:18:37,190 --> 00:18:35,100  
it thank you again for inviting us here

350

00:18:39,270 --> 00:18:37,200  
today but even more congratulations on

351  
00:18:45,230 --> 00:18:39,280  
this amazing achievement thank you

352  
00:18:47,330 --> 00:18:45,240  
[Applause]

353  
00:18:50,680 --> 00:18:47,340  
thank you and now I'd like to welcome

354  
00:18:54,250 --> 00:18:50,690  
Eric hooks Deputy Administrator of FEMA

355  
00:18:56,650 --> 00:18:54,260  
[Applause]

356  
00:18:59,450 --> 00:18:56,660  
well good morning

357  
00:19:01,250 --> 00:18:59,460  
administrator Nelson colleagues thank

358  
00:19:03,289 --> 00:19:01,260  
you for being here administrator Nelson

359  
00:19:05,150 --> 00:19:03,299  
thank you for your outstanding vision

360  
00:19:07,669 --> 00:19:05,160  
and your leadership across the

361  
00:19:09,830 --> 00:19:07,679  
interagency and really across this world

362  
00:19:11,810 --> 00:19:09,840  
I'm honored to be here today on behalf

363  
00:19:14,529 --> 00:19:11,820

of administrator Chris well and all of

364

00:19:17,750 --> 00:19:14,539

the FEMA family for this historic event

365

00:19:19,909 --> 00:19:17,760

it's great to to see so many of our

366

00:19:22,730 --> 00:19:19,919

colleagues across the interagency

367

00:19:24,590 --> 00:19:22,740

because we are truly stronger when we

368

00:19:27,230 --> 00:19:24,600

come together and thank you for the

369

00:19:29,690 --> 00:19:27,240

collaboration the partnership that you

370

00:19:32,510 --> 00:19:29,700

exhibit day to day while FEMA executes

371

00:19:35,810 --> 00:19:32,520

on its mission of helping people before

372

00:19:37,549 --> 00:19:35,820

during and after disaster

373

00:19:39,890 --> 00:19:37,559

the earth science information center

374

00:19:41,810 --> 00:19:39,900

will play such a critical role in

375

00:19:43,669 --> 00:19:41,820

Sharing environmental data with

376

00:19:46,549 --> 00:19:43,679

communities to help them make more

377

00:19:50,330 --> 00:19:46,559

informed decisions on future climate

378

00:19:53,330 --> 00:19:50,340

risks this is a priority for FEMA this

379

00:19:56,150 --> 00:19:53,340

is a priority for NASA this should be a

380

00:19:58,669 --> 00:19:56,160

priority for all of us

381

00:20:01,870 --> 00:19:58,679

FEMA and NASA have been well partnered

382

00:20:05,090 --> 00:20:01,880

since 2010 in areas of climate change

383

00:20:08,510 --> 00:20:05,100

planetary defense space weather related

384

00:20:09,950 --> 00:20:08,520

issues and together with NOAA and so

385

00:20:11,930 --> 00:20:09,960

many other partners

386

00:20:13,730 --> 00:20:11,940

we work daily

387

00:20:15,950 --> 00:20:13,740

to keep people safe

388

00:20:17,210 --> 00:20:15,960

not just in this country but really

389

00:20:18,950 --> 00:20:17,220

across the world

390

00:20:22,970 --> 00:20:18,960

it's really an honor to be with you

391

00:20:25,909 --> 00:20:22,980

today sir and with all of you as we take

392

00:20:27,650 --> 00:20:25,919

on this extraordinary new adventure and

393

00:20:30,409 --> 00:20:27,660

I've learned throughout my time of

394

00:20:32,630 --> 00:20:30,419

Public Safety that the more we explore

395

00:20:35,760 --> 00:20:32,640

the universe the more we learn about

396

00:20:41,029 --> 00:20:35,770

ourselves thank you

397

00:20:44,090 --> 00:20:41,039

[Applause]

398

00:20:46,669 --> 00:20:44,100

thank you and now Noah so please welcome

399

00:20:48,350 --> 00:20:46,679

Dr Michael Morgan assistant Secretary of

400

00:20:54,970 --> 00:20:48,360

Commerce for environmental observation

401  
00:20:59,450 --> 00:20:57,289  
thank you and good morning and

402  
00:21:01,250 --> 00:20:59,460  
congratulations to NASA on this

403  
00:21:02,570 --> 00:21:01,260  
incredible achievement I'm excited to

404  
00:21:04,190 --> 00:21:02,580  
represent Noah today as one of the

405  
00:21:07,490 --> 00:21:04,200  
founding agency partners on this unique

406  
00:21:09,230 --> 00:21:07,500  
platform NASA's environmental NASA's

407  
00:21:10,730 --> 00:21:09,240  
Earth information center is a dashboard

408  
00:21:13,310 --> 00:21:10,740  
of selected environmental information

409  
00:21:15,710 --> 00:21:13,320  
that will provide Rich data stories

410  
00:21:17,270 --> 00:21:15,720  
amazing visualizations and experiences

411  
00:21:18,650 --> 00:21:17,280  
that will allow all in our planet to

412  
00:21:20,150 --> 00:21:18,660  
better understand the current and

413  
00:21:24,049 --> 00:21:20,160

evolving Earth system

414

00:21:26,450 --> 00:21:24,059

how and where we live and work build and

415

00:21:28,490 --> 00:21:26,460

plant are all impacted by our changing

416

00:21:30,350 --> 00:21:28,500

climate environmental intelligence

417

00:21:32,210 --> 00:21:30,360

allows us to better plan for this

418

00:21:34,310 --> 00:21:32,220

changing environment many agencies

419

00:21:35,810 --> 00:21:34,320

provide such data indeed Noah has a

420

00:21:38,330 --> 00:21:35,820

unique responsibility for providing

421

00:21:39,830 --> 00:21:38,340

reliable authoritative high quality

422

00:21:41,149 --> 00:21:39,840

situational awareness alerts on

423

00:21:43,070 --> 00:21:41,159

environmental threats and predictions

424

00:21:44,990 --> 00:21:43,080

our operational weather and climate

425

00:21:46,490 --> 00:21:45,000

Services provide necessary information

426  
00:21:47,690 --> 00:21:46,500  
for individuals communities in the

427  
00:21:49,970 --> 00:21:47,700  
private sector to make informed

428  
00:21:52,310 --> 00:21:49,980  
decisions but we don't do this alone as

429  
00:21:55,310 --> 00:21:52,320  
you see with the array of Partners here

430  
00:21:56,630 --> 00:21:55,320  
in particular NASA

431  
00:21:58,070 --> 00:21:56,640  
um we can't do it alone these

432  
00:22:00,049 --> 00:21:58,080  
Partnerships are critical our

433  
00:22:02,090 --> 00:22:00,059  
partnership with NASA runs long and deep

434  
00:22:03,770 --> 00:22:02,100  
from the development and launch of our

435  
00:22:05,570 --> 00:22:03,780  
own observing systems our shared

436  
00:22:07,490 --> 00:22:05,580  
dynamical core for weather and climate

437  
00:22:09,350 --> 00:22:07,500  
prediction to our investments in data

438  
00:22:11,029 --> 00:22:09,360

assimilation in recent years our

439

00:22:13,430 --> 00:22:11,039

partnership with Earth observations has

440

00:22:15,770 --> 00:22:13,440

grown and demonstrated new successes now

441

00:22:17,810 --> 00:22:15,780

that jps and goes our programs are

442

00:22:20,270 --> 00:22:17,820

operational and as the space weather

443

00:22:22,970 --> 00:22:20,280

follow-on program becomes established

444

00:22:24,110 --> 00:22:22,980

I appreciate NASA's invitation for Noah

445

00:22:26,090 --> 00:22:24,120

to be a founding partner in this

446

00:22:27,770 --> 00:22:26,100

exciting Endeavor and look forward to

447

00:22:31,130 --> 00:22:27,780

the contributions that we and other

448

00:22:32,690 --> 00:22:31,140

Federal Partners might make with NASA in

449

00:22:35,500 --> 00:22:32,700

making the Earth information center a

450

00:22:43,730 --> 00:22:35,510

success congratulations and thank you

451  
00:22:47,210 --> 00:22:45,649  
to welcome Dr Marlon Eve Deputy

452  
00:22:51,049 --> 00:22:47,220  
Administrator agricultural research

453  
00:22:56,570 --> 00:22:53,870  
thank you Kate and uh good morning

454  
00:22:58,370 --> 00:22:56,580  
everyone and administrator Nelson it's

455  
00:23:00,830 --> 00:22:58,380  
great to meet you and to be here with

456  
00:23:02,570 --> 00:23:00,840  
you to celebrate this event uh secretary

457  
00:23:04,190 --> 00:23:02,580  
vilsack sends his regards and his

458  
00:23:07,070 --> 00:23:04,200  
congratulations

459  
00:23:09,169 --> 00:23:07,080  
the at the Department of Agriculture we

460  
00:23:12,830 --> 00:23:09,179  
have a long history of partnering with

461  
00:23:16,310 --> 00:23:12,840  
NASA of working with NASA data our

462  
00:23:20,270 --> 00:23:16,320  
program offices use NASA data for

463  
00:23:23,810 --> 00:23:20,280

Drought monitoring for uh land cover

464

00:23:26,510 --> 00:23:23,820

assessments for many parts of the census

465

00:23:29,270 --> 00:23:26,520

of Agriculture and in my home agency of

466

00:23:32,810 --> 00:23:29,280

the Agricultural research service we use

467

00:23:35,570 --> 00:23:32,820

NASA products every day in conducting

468

00:23:38,029 --> 00:23:35,580

our research our scientists have worked

469

00:23:44,390 --> 00:23:40,730

tools and platforms and so I'm just

470

00:23:47,690 --> 00:23:44,400

thrilled to be here to welcome in this

471

00:23:49,010 --> 00:23:47,700

new era of Earth information and proud

472

00:23:51,590 --> 00:23:49,020

to represent the Department of

473

00:23:54,770 --> 00:23:51,600

Agriculture as a founding member of the

474

00:23:58,490 --> 00:23:54,780

Earth information center I have said to

475

00:24:01,850 --> 00:23:58,500

uh to my leadership that ARS needs to be

476  
00:24:03,890 --> 00:24:01,860  
driving Precision agriculture for all

477  
00:24:05,690 --> 00:24:03,900  
Farmers similar to the way that

478  
00:24:07,850 --> 00:24:05,700  
administrator Nelson mentioned that the

479  
00:24:10,370 --> 00:24:07,860  
Earth information system needs to

480  
00:24:13,070 --> 00:24:10,380  
provide data and information to all

481  
00:24:16,190 --> 00:24:13,080  
Americans and to the global community

482  
00:24:18,710 --> 00:24:16,200  
so I believe that working together NASA

483  
00:24:22,250 --> 00:24:18,720  
and USDA and our other Federal Partners

484  
00:24:24,350 --> 00:24:22,260  
can really enable a new generation of

485  
00:24:27,409 --> 00:24:24,360  
agricultural production that's much more

486  
00:24:30,350 --> 00:24:27,419  
informed data driven and precise and so

487  
00:24:34,430 --> 00:24:30,360  
I'm I'm thrilled to be here excited to

488  
00:24:36,110 --> 00:24:34,440

see the the information center and once

489

00:24:37,830 --> 00:24:36,120

again congratulations administrator

490

00:24:41,930 --> 00:24:37,840

Nelson

491

00:24:44,750 --> 00:24:41,940

[Applause]

492

00:24:46,850 --> 00:24:44,760

thank you next up we have Mike Michener

493

00:24:50,590 --> 00:24:46,860

Deputy assistant administrator Bureau of

494

00:24:53,289 --> 00:24:50,600

resilience and food security at usaid

495

00:24:55,430 --> 00:24:53,299

[Applause]

496

00:24:57,529 --> 00:24:55,440

good morning

497

00:24:59,810 --> 00:24:57,539

thank you to administrator Nelson

498

00:25:02,690 --> 00:24:59,820

director Saint Germain and the entire

499

00:25:04,909 --> 00:25:02,700

NASA team for including usaid in today's

500

00:25:07,010 --> 00:25:04,919

launch of the Earth information center

501  
00:25:09,289 --> 00:25:07,020  
it's also wonderful to be here with the

502  
00:25:13,010 --> 00:25:09,299  
leaders of the of the partner agencies

503  
00:25:14,090 --> 00:25:13,020  
to The Outsider usaid and NASA may look

504  
00:25:16,850 --> 00:25:14,100  
like fundamentally different

505  
00:25:19,010 --> 00:25:16,860  
organizations NASA's Investments probe

506  
00:25:20,870 --> 00:25:19,020  
the very edge of the universe usaid

507  
00:25:22,669 --> 00:25:20,880  
works on the ground with countries

508  
00:25:25,730 --> 00:25:22,679  
around the world to improve economic

509  
00:25:28,010 --> 00:25:25,740  
well-being and fight hunger and poverty

510  
00:25:30,230 --> 00:25:28,020  
but usaid and NASA have found a sweet

511  
00:25:32,450 --> 00:25:30,240  
spot for working together in the

512  
00:25:34,490 --> 00:25:32,460  
application of satellite collected data

513  
00:25:37,130 --> 00:25:34,500

to the development problems and

514

00:25:38,930 --> 00:25:37,140

challenges that we face around the world

515

00:25:40,630 --> 00:25:38,940

the two agencies will continue to build

516

00:25:43,190 --> 00:25:40,640

on our long history working together

517

00:25:45,710 --> 00:25:43,200

including with our Flagship severe

518

00:25:47,750 --> 00:25:45,720

collaboration and our work on the famine

519

00:25:48,769 --> 00:25:47,760

early Warning Systems Network or fews

520

00:25:50,390 --> 00:25:48,779

Nets

521

00:25:52,909 --> 00:25:50,400

as we work in the midst of the climate

522

00:25:54,529 --> 00:25:52,919

crisis with escalating impacts felt all

523

00:25:57,409 --> 00:25:54,539

around the world the Earth information

524

00:25:59,870 --> 00:25:57,419

center is a magnificent display of the

525

00:26:02,029 --> 00:25:59,880

power of data and information that can

526  
00:26:04,450 --> 00:26:02,039  
be leveraged in support of managing

527  
00:26:07,370 --> 00:26:04,460  
climate risks and monitoring important

528  
00:26:09,830 --> 00:26:07,380  
carbon Landscapes data and information

529  
00:26:11,750 --> 00:26:09,840  
play an important role in our ability to

530  
00:26:14,750 --> 00:26:11,760  
better adapt to climate change and

531  
00:26:17,390 --> 00:26:14,760  
mitigate its aspects congratulations to

532  
00:26:19,669 --> 00:26:17,400  
NASA on the launch and ribbon cutting of

533  
00:26:21,830 --> 00:26:19,679  
the Earth information center this is an

534  
00:26:24,230 --> 00:26:21,840  
important demonstration of what public

535  
00:26:27,230 --> 00:26:24,240  
investment in science means for life on

536  
00:26:31,970 --> 00:26:30,289  
[Applause]

537  
00:26:34,310 --> 00:26:31,980  
thank you and now I'm happy to welcome

538  
00:26:40,870 --> 00:26:34,320

Dwayne Roth a farmer from Iowa to share

539

00:26:44,690 --> 00:26:43,250

good morning everyone

540

00:26:46,789 --> 00:26:44,700

um Dwayne Roth I'm a Western Kansas

541

00:26:48,649 --> 00:26:46,799

farmer

542

00:26:50,510 --> 00:26:48,659

um it's an honor to be here today and

543

00:26:52,130 --> 00:26:50,520

I'm very grateful

544

00:26:54,049 --> 00:26:52,140

um

545

00:26:55,610 --> 00:26:54,059

as I said I am the fourth generation but

546

00:26:57,710 --> 00:26:55,620

now my nephews we have a succession plan

547

00:26:59,450 --> 00:26:57,720

they are the fifth generation

548

00:27:02,990 --> 00:26:59,460

we're hoping to work with NASA to get

549

00:27:05,269 --> 00:27:03,000

that sixth generation to the farm

550

00:27:06,529 --> 00:27:05,279

today as well we all have something in

551  
00:27:08,090 --> 00:27:06,539  
common

552  
00:27:10,850 --> 00:27:08,100  
we're going to have to produce a lot

553  
00:27:12,769 --> 00:27:10,860  
more food with a lot less resources out

554  
00:27:14,630 --> 00:27:12,779  
on our farm in Kansas

555  
00:27:15,950 --> 00:27:14,640  
and with NASA data we can have the

556  
00:27:17,090 --> 00:27:15,960  
ability to do that

557  
00:27:18,890 --> 00:27:17,100  
we're going to have to make sound

558  
00:27:21,049 --> 00:27:18,900  
agronomic decisions

559  
00:27:25,310 --> 00:27:21,059  
for instance when to apply water when to

560  
00:27:30,950 --> 00:27:28,010  
with the succession plan we had I would

561  
00:27:32,690 --> 00:27:30,960  
like to go back the last year in 2022 it

562  
00:27:35,269 --> 00:27:32,700  
was the hottest and driest that Kansas

563  
00:27:37,610 --> 00:27:35,279

had ever seen we had crop failures

564

00:27:39,409 --> 00:27:37,620

beyond your imagination

565

00:27:40,430 --> 00:27:39,419

so we're looking if we can look in the

566

00:27:42,590 --> 00:27:40,440

future

567

00:27:45,590 --> 00:27:42,600

temperatures possible rain forecast

568

00:27:48,169 --> 00:27:45,600

would actually be able to maybe use less

569

00:27:50,630 --> 00:27:48,179

finite resources and keep them for the

570

00:27:53,090 --> 00:27:50,640

future Generations

571

00:27:54,230 --> 00:27:53,100

I never thought before where I boots on

572

00:27:57,110 --> 00:27:54,240

the ground that I'd be able to use

573

00:27:58,190 --> 00:27:57,120

satellites space to help me make better

574

00:28:00,110 --> 00:27:58,200

decisions

575

00:28:02,090 --> 00:28:00,120

so that flow of technology that we're

576

00:28:04,010 --> 00:28:02,100

using we're working on a system in

577

00:28:06,710 --> 00:28:04,020

Kansas that we already have in place the

578

00:28:08,690 --> 00:28:06,720

Kansas Kansas Geological Survey where we

579

00:28:11,090 --> 00:28:08,700

can measure water we can quantify it we

580

00:28:12,890 --> 00:28:11,100

can solve it so we know that if we can

581

00:28:15,950 --> 00:28:12,900

predict

582

00:28:17,149 --> 00:28:15,960

say within a reasonable amount of what

583

00:28:19,070 --> 00:28:17,159

the temperature is going to be in the

584

00:28:21,529 --> 00:28:19,080

rain we'll know when to be able to turn

585

00:28:22,970 --> 00:28:21,539

the pivot on shut that pivot off if we

586

00:28:24,830 --> 00:28:22,980

can just save a little bit of water on

587

00:28:27,169 --> 00:28:24,840

the front a little bit of water on the

588

00:28:29,210 --> 00:28:27,179

end that computes to millions of gallons

589

00:28:31,370 --> 00:28:29,220

of water so I'm really looking forward

590

00:28:33,529 --> 00:28:31,380

to this today I'm very grateful again to

591

00:28:34,730 --> 00:28:33,539

be here and looking forward to the

592

00:28:41,409 --> 00:28:34,740

future

593

00:28:46,130 --> 00:28:43,850

thank you and lastly I'd like to invite

594

00:28:48,060 --> 00:28:46,140

Dr Karen St Germain NASA's earth science

595

00:28:53,210 --> 00:28:48,070

division director

596

00:28:58,850 --> 00:28:55,370

what a day thank you so much

597

00:29:01,130 --> 00:28:58,860

administrator Nelson Dr Calvin uh and

598

00:29:04,430 --> 00:29:01,140

esteemed agency partners the Earth

599

00:29:06,830 --> 00:29:04,440

information center embodies A Renewed

600

00:29:09,110 --> 00:29:06,840

focus at Nasa on earth science and

601  
00:29:11,330 --> 00:29:09,120  
bringing actionable science to decision

602  
00:29:14,450 --> 00:29:11,340  
makers at every level

603  
00:29:17,210 --> 00:29:14,460  
we want people to see our planet as we

604  
00:29:19,669 --> 00:29:17,220  
see it as a complex system of systems

605  
00:29:22,490 --> 00:29:19,679  
where we study the land and the oceans

606  
00:29:25,730 --> 00:29:22,500  
the ice and the atmosphere to see how a

607  
00:29:26,810 --> 00:29:25,740  
change in one area drives changes in the

608  
00:29:29,450 --> 00:29:26,820  
others

609  
00:29:32,210 --> 00:29:29,460  
NASA's community of scientists and

610  
00:29:34,789 --> 00:29:32,220  
Engineers is accelerating Humanity's

611  
00:29:37,549 --> 00:29:34,799  
understanding of our planet's changing

612  
00:29:41,510 --> 00:29:39,169  
and we share that scientific

613  
00:29:44,330 --> 00:29:41,520

understanding with our sister agencies

614

00:29:46,330 --> 00:29:44,340

so they can provide new and better

615

00:29:49,669 --> 00:29:46,340

operational services for people

616

00:29:53,029 --> 00:29:49,679

businesses communities to mitigate and

617

00:29:53,990 --> 00:29:53,039

adapt to to that climate change at its

618

00:29:56,330 --> 00:29:54,000

heart

619

00:29:59,450 --> 00:29:56,340

what you're looking at today is really

620

00:30:02,930 --> 00:29:59,460

about engaging engaging with more people

621

00:30:05,330 --> 00:30:02,940

on earth science to learn what we are

622

00:30:13,130 --> 00:30:05,340

learning so their decisions can be

623

00:30:17,690 --> 00:30:16,250

all right administrator Nelson Karen I'd

624

00:30:21,649 --> 00:30:17,700

like to invite you up for the ribbon

625

00:30:31,810 --> 00:30:24,529

I believe we have

626

00:30:37,070 --> 00:30:34,490

Bob Gibbs and oceans West

627

00:30:38,210 --> 00:30:37,080

representatives are also going to help

628

00:30:52,909 --> 00:30:38,220

us with this ribbon cutting if you'd

629

00:30:56,330 --> 00:30:54,590

I'd also like to invite our partners it

630

00:30:57,529 --> 00:30:56,340

is um if you can walk through up here

631

00:31:32,640 --> 00:30:57,539

that way and get you all in the picture

632

00:31:43,070 --> 00:31:39,909

[Applause]

633

00:31:45,110 --> 00:31:43,080

so thank you all for joining us today

634

00:31:46,850 --> 00:31:45,120

this wraps the ribbon cutting ceremony

635

00:31:48,830 --> 00:31:46,860

so on behalf of the thousands of

636

00:31:50,990 --> 00:31:48,840

scientists and Engineers whose work is

637

00:31:53,810 --> 00:31:51,000

featured here I'd like to invite you to

638

00:31:55,010 --> 00:31:53,820

experience Earth as we do from space so

639

00:31:56,149 --> 00:31:55,020

we're going to start with these guests

640

00:31:57,710 --> 00:31:56,159

and then we'll invite everyone to Move

641

00:31:59,090 --> 00:31:57,720

It In Waves so they can experience the

642

00:32:00,950 --> 00:31:59,100

center and there is a reception inside

643

00:32:02,630 --> 00:32:00,960

for those of you looking for more

644

00:32:04,669 --> 00:32:02,640

information if you're here physically in

645

00:32:06,529 --> 00:32:04,679

person there are QR codes that will take

646

00:32:07,930 --> 00:32:06,539

you to a website for those of you from

647

00:32:10,909 --> 00:32:07,940

home

648

00:32:12,049 --> 00:32:10,919

go.nasa.gov EIC so thank you very much

649

00:32:14,210 --> 00:32:12,059

and welcome to the Earth information

650

00:32:16,870 --> 00:32:14,220

center

651

00:32:16,880 --> 00:33:28,210

[Applause]

652

00:33:34,549 --> 00:33:31,850

the history of this agency is marked