Plan	Page	Flagship	Description	Ongoing	Complete	Closed
2010	85	Open/Federal Source Software Development [Also referenced in the Activity Matrix under Open Source.]	NASA has used open source to address project and mission needs, to accelerate software development, and to maximize public awareness and impact of our research. The 2010 Plan mentions the NASA Open Source Agreement (NOSA) which is an Open Source Initiative (OSI) approved license to allow public release of NASA-funded software. To date: 238 projects under NOSA out of approximately 254 (others use Apache or MIT licenses). The official location of NASA open source is on GitHub.com/NASA. Since the 2014 Plan release, the Open Data team has strived to publish most, if not all of the approved projects into the NASA organization on GitHub. Additionally, NASA is currently implementing the Federal Source Code Software Policy and this effort.		x	
2016	M-16-16 **4(H)**			x		
2010	88	NO LONGER ACTIVE: Nebula Cloud Computing Platform	**NOTE:** NASA's Nebula open-source cloud computing infrastructure **is no longer an active program**; however, NASA actively uses cloud infrastructure as a business service internally and in the public cloud. To date, NASA migrated more than 100 web-based applications into the cloud and has more than 60 science, engineering, and infrastructure projects actively using its enterprise managed commercial cloud program.			x
2010	92	Participatory Exploration Office [NOW called Open Innovation. Also referenced in the What's New section, under Open Innovation Platforms.]	Back in 2009, the NASA Authorization Act directed NASA to develop a Participatory Exploration Plan to allow the public to experience missions. Congress directed NASA, in the FY 2011 Budget, to establish a Participatory Exploration Office. This effort, no longer called Participatory Exploration, continues as the prizes and challenges portfolio under NASA's Space Technology Mission Directorate. In addition, the Office of the Chief Scientist stood up an			x

			interagency Citizen Science Working Group to coordinate science-related citizen contributions to NASA missions.			
2012	20	NASA Web Environment [Also referenced in the Activity Matrix under NASA Web.]	Create, maintain, and manage agency websites and services through open source software, cloud computing technologies, and integrated services and capabilities. This effort continues as websites and tools are migrated to cloud services and created with open source software and tools. As we move to a more agile approach, new technologies come on the market, requiring additional exploration and shifting capabilities.		x	
2014	13				x	
2016	M-16-16 **3(E)**			x		
2014	4	Climate Data Initiative	Design of the web environment complete. Working group meetings and collection of data and tools -- ongoing.	x	x	
2014	5	NASA Information Architecture and Management (NIAM)	This internal website, mentioned in 2014 Plan, was created to collaborate on data issues, challenges, and successes. The website is currently in use by NASA employees.	x	x	
2014	6	Asteroid Grand Challenge	The Asteroid Grand Challenge is a large-scale effort that will use multi-disciplinary collaborations and a variety of partnerships with other government agencies, international partners, industry, academia, and citizen scientists to detect, track, characterize, and create mitigation strategies for potentially hazardous asteroids. The Asteroid Grand Challenge Digital Badging Effort is an early pilot program for recognizing the efforts made by citizen scientists to help find asteroid threats to human populations and know what to do about them. Find out more about citizen science discovery of asteroids and digital badging on the Asteroid Grand Challenge Credly Page.	x	x	

			 Asteroid Grand Challenge "Find Them Now Video, created through a video context to describe the work to detect, track, characterize, and mitigate potentially hazardous asteroids. Frontier Development Lab is an applied research accelerator designed to enhance NASA's capability by matching emerging talent from academia with peers and technology within the private sector. The Lab operated from June 27 through in August 5, 2016, and is now complete. Feel free to discover all the Lab . Victoria Friedensen is NASA's point of contact for Asteroid Grand Challenge activities.			