

Serving the Coastal Manager

The 2009 Coastal Resource Management Customer Survey



NOAA Coastal Services Center
LINKING PEOPLE, INFORMATION, AND TECHNOLOGY

Survey Background

- The NOAA Coastal Services Center aims to
 - provide information to the nation's coastal resource managers
 - facilitate wise coastal resource management
- The Center sponsors a triennial survey of coastal resource managers
- This is the fifth such survey



Survey Topics

- Priority management topics
- Priority spatial data layers
- Data and technology tools
- Social science tools
- Respondent demographics



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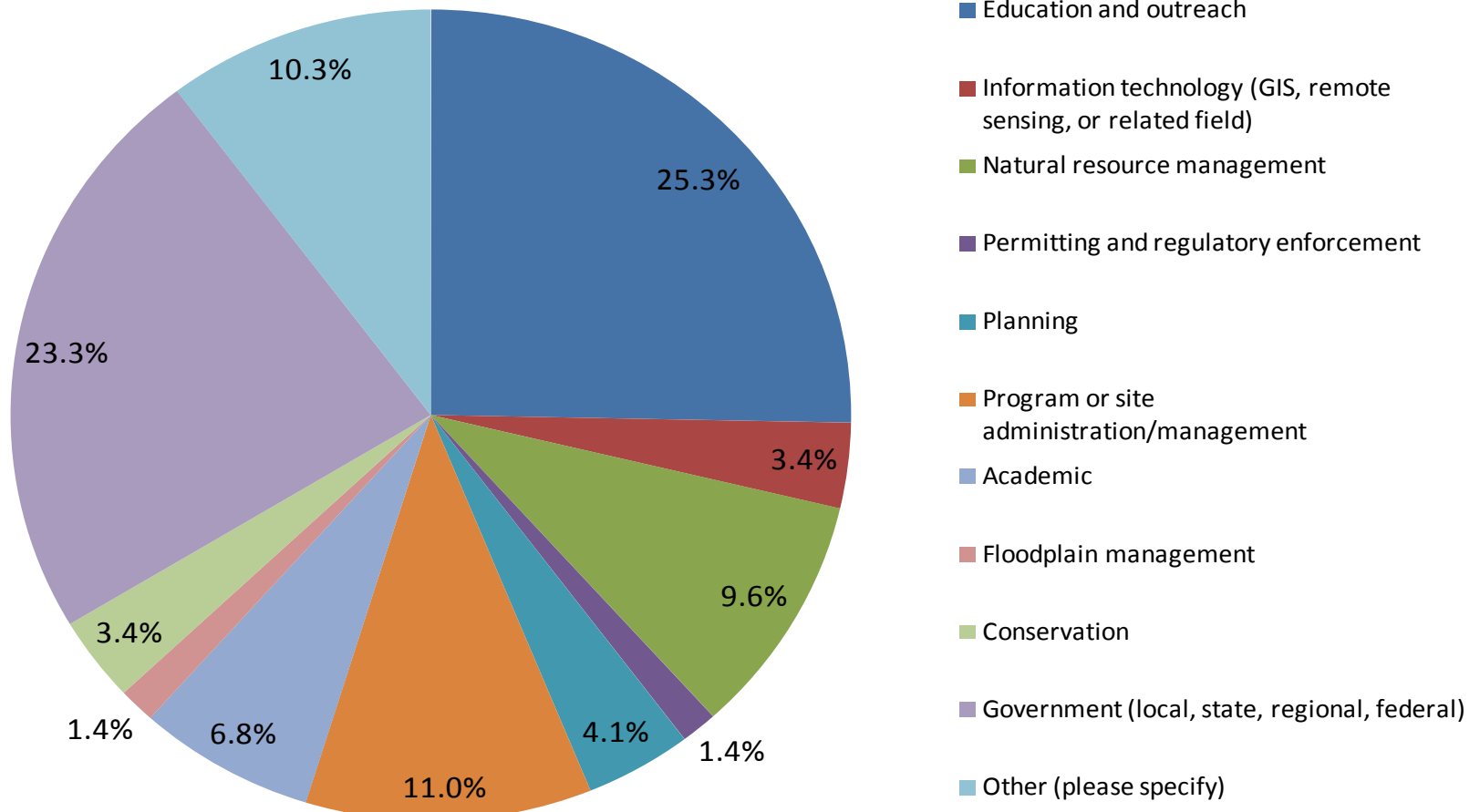
The Survey

- Web-based survey
- Developed by MRAG Americas and Center staff
- Data were collected from November 2009 to March 2010
- Obtained 218 usable responses (50% response rate)

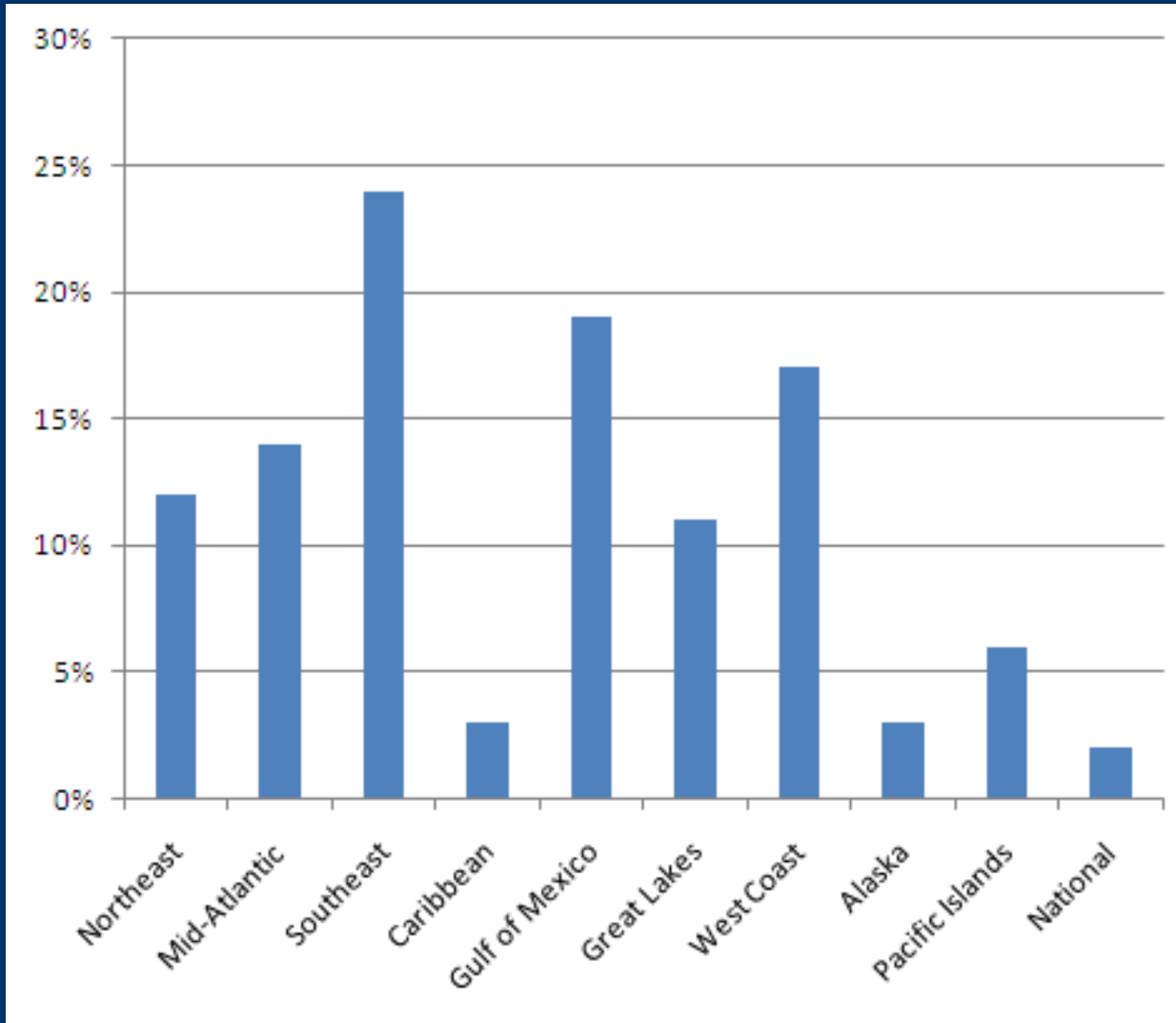


Respondent Universe

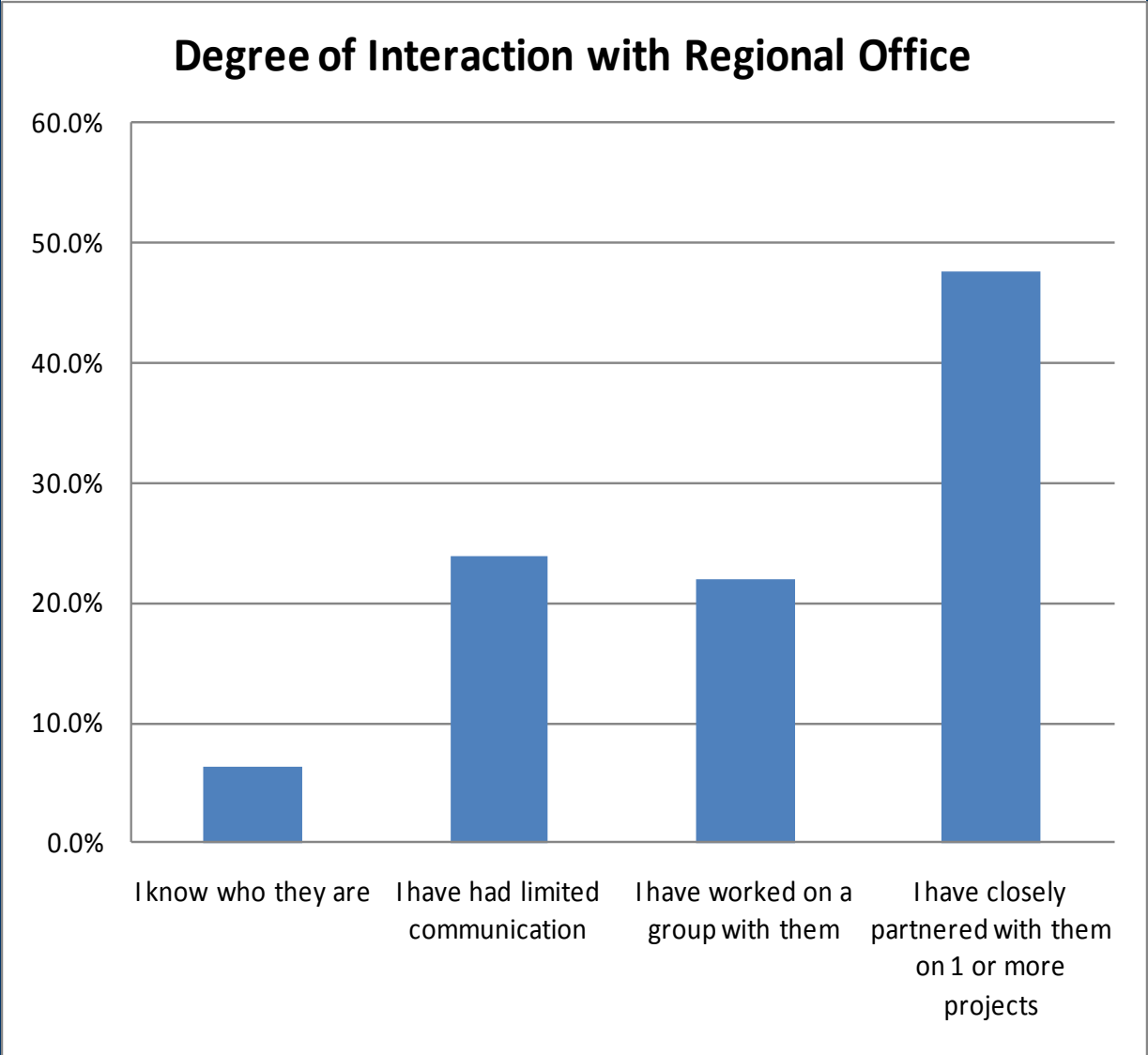
Q. Please indicate which of the following best represents your current professional position.



Respondent Geography



Experience with the Center



Priority Coastal Management Topics

2006

2009

Coastal Land-Use Planning

1. Land-use planning/growth mgmt (60%)
2. Watershed planning (51%)
3. Public access (46%)

1. Climate change impacts (77%)
2. Land use planning/growth management (66%)
3. Wetland Loss (62%)

Ocean and Great Lakes Planning

1. Shoreline change management (43%)
2. Protected area management (41%)
3. Near- & offshore habitat mapping (37%)

1. Shoreline change management (71%)
2. Climate change impacts (65%)
3. Near- & offshore habitat mapping (56%)



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Priority Coastal Management Topics

2006

2009

Coastal Conservation Planning

1. Habitat restoration & monitoring (55%)
2. Water quality monitoring (46%)
3. Nonpoint source pollution (46%)
4. Erosion and beach nourishment (37%)

1. Climate change impacts (76%)
2. Habitat restoration & monitoring (67%)
3. Erosion and beach nourishment (66%)

Coastal Hazards

1. Flooding/inundation/storm surge (44.5%)
2. Erosion (42.9%)
3. Hurricanes (36.0%)

1. Climate change impacts (74%)
2. Sea level rise (67%)
3. Flooding/inundation/storm surge (65%)



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Spatial Data Use

COASTAL LAND USE PLANNING DATA

	Yes	No, but we need this	No, not needed
Climate change impacts	50.0% (57)	45.6% (52)	4.4% (5)
Demographics	45.9% (50)	32.1% (35)	22.0% (24)
Dredging	39.1% (43)	33.6% (37)	27.3% (30)
Economics	25.7% (28)	47.7% (52)	26.6% (29)
Infrastructure/utilities development	41.1% (44)	35.5% (38)	23.4% (25)
Land use planning/growth management	75.7% (84)	19.8% (22)	4.5% (5)
Permits and enforcement	42.2% (46)	28.4% (31)	29.4% (32)
Port, harbor, or marina development	44.4% (48)	28.7% (31)	26.9% (29)
Public access	62.5% (70)	23.2% (26)	14.3% (16)
Recreation and tourism	43.4% (49)	38.9% (44)	17.7% (20)
Transportation planning	31.1% (33)	31.1% (33)	37.7% (40)
Waterfront and brownfield redevelopment	33.3% (35)	30.5% (32)	36.2% (38)
Wetland Loss	64.6% (73)	31.9% (36)	3.5% (4)

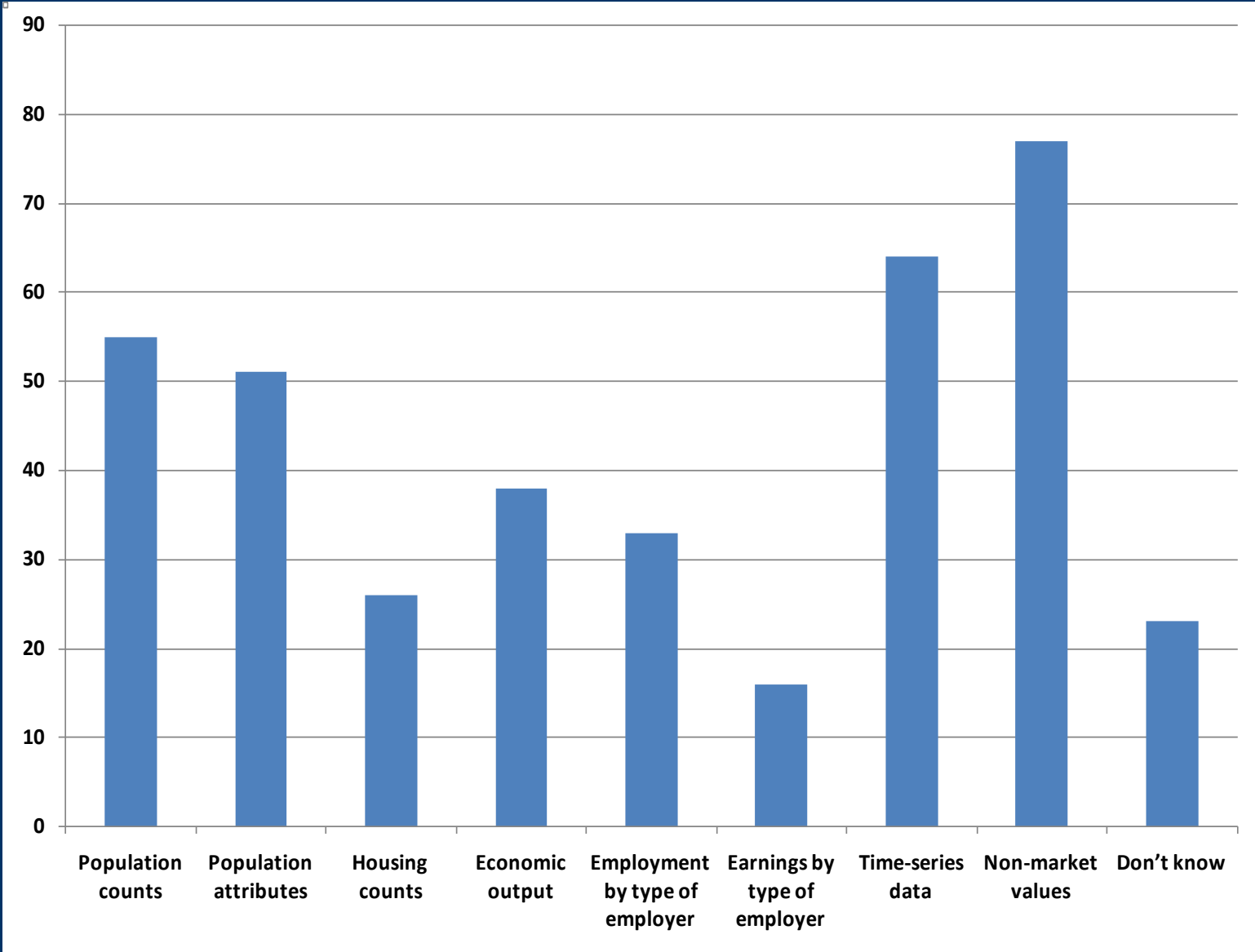
Spatial Data Use

(continued)

COASTAL HAZARDS DATA

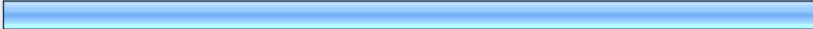







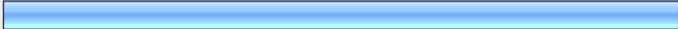
	Yes	No, but we need this	No, not needed
Beach safety related to rip currents	14.2% (15)	24.5% (26)	61.3% (65)
Climate change impacts	43.4% (49)	52.2% (59)	4.4% (5)
Coral reef management	18.3% (19)	13.5% (14)	68.3% (71)
Demographics	34.0% (36)	37.7% (40)	28.3% (30)
Economics	24.5% (26)	54.7% (58)	20.8% (22)
Erosion	52.3% (57)	37.6% (41)	10.1% (11)
Flooding/inundation/storm surge	55.6% (60)	39.8% (43)	4.6% (5)
Harmful algal blooms	23.8% (25)	40.0% (42)	36.2% (38)
Hurricanes	37.7% (40)	31.1% (33)	31.1% (33)
Impacts to barrier islands	34.3% (36)	30.5% (32)	35.2% (37)
Landslides	16.3% (17)	15.4% (16)	68.3% (71)
Oil/pollutant spill response	30.5% (32)	32.4% (34)	37.1% (39)
Pollutant transport and dispersion	21.7% (23)	50.0% (53)	28.3% (30)
Public health concerns	27.9% (29)	44.2% (46)	27.9% (29)
Sea level rise	48.6% (54)	43.2% (48)	8.1% (9)

Demographic and Economic Information Needs



Interdisciplinary Management Constraints

In which of the following areas do you feel improvements are needed for an effective interdisciplinary approach to coastal and marine management? SELECT UP TO THREE.

		Response Percent	Response Count
Engaging community and stakeholder groups in decision-making		62.7%	96
Developing methods for establishing multiple-use marine zones		20.9%	32
Developing methods for implementing ecosystem approaches to fisheries management		21.6%	33
Advancing coastal land use practices by accounting for land-sea interactions in land use decisions		60.8%	93
Managing marine protected areas		11.1%	17
Socio-economic impact studies		41.2%	63
Demographic studies		2.6%	4
Conserving marine biodiversity		12.4%	19
Including humans, society, and government in the equation		52.3%	80

For More Information

www.csc.noaa.gov/survey/

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