

## Abbreviated Faculty Curriculum Vitae

John Hasse Ph.D. AICP

Director of Geospatial Research Lab  
Department of Geography, Planning & Sustainability  
Rowan University  
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### **Educational History:**

Rutgers University, New Brunswick, NJ	Ph.D.	Geography	2002
Edward J. Bloustein School Planning and Policy	M.S.	Urban Planning	1999
Rutgers University, New Brunswick, NJ			
Rutgers University, New Brunswick, NJ	M.S.	Geography	1998
Rowan University, Glassboro, NJ	B.A.	Geography,	1995

**Certification:** AICP X; FAICP \_\_\_; Other:

### **Courses Taught:**

*PLAN 31.389 Environmental / Sustainable Planning (wrote and developed course)*  
*PLAN 31.385 New Jersey Planning Practice (wrote and developed course)*  
*PLAN 31.386 Land Use and Conservation*  
*PLAN 31.383 Metropolitan/Regional Planning*  
*GEOG 16.160 Introduction to Mapping and Geographic Information Science (co- developed course)*  
*GEOG 16.260 Geographic Information Systems I*  
*GEOG 16.360 Geographic Information Systems II*  
*GEOG 16.140 World Regional Geography*  
*GEOG 16.110 Cultural Geography*  
*GEOG 16.100 Earth, People & Environment (wrote and developed course)*  
*GEOG 16.493 Senior Research Seminar*

### **Research and Professional Experience**

**Director- Geospatial Research Lab** 2008 to present  
Rowan University Department of Geography, Planning & Sustainability  
**Professor of Geography** 2001 to present  
Rowan University Department of Geography, Planning & Sustainability  
**Department Chair** 2009 - 2016  
Rowan University Department of Geography, Planning & Sustainability

## **7-year Summary of Scholarship**

- Reviewed Digital Geospatial Data Publications

**Hasse, John E.**, 2020, "Agriculture Preservation Priority Model," *New Jersey Conservation Blueprint, developed and edited to specifications of the agriculture technical advisory committee*

[https://www.njmap2.com/assets/pdf/blueprint/methods/Agricultural\\_Priority\\_Model\\_Methodology.pdf](https://www.njmap2.com/assets/pdf/blueprint/methods/Agricultural_Priority_Model_Methodology.pdf)

**Hasse, John E.**, 2020, "Urban Community Green Space Priority Model," *New Jersey Conservation Blueprint, developed and edited to specifications of the urban technical advisory committee*

[https://www.njmap2.com/assets/pdf/blueprint/methods/Agricultural\\_Priority\\_Model\\_Methodology.pdf](https://www.njmap2.com/assets/pdf/blueprint/methods/Agricultural_Priority_Model_Methodology.pdf)

**Hasse, John E.**, 2020, "Ecological Preservation Priority Model," *New Jersey Conservation Blueprint, developed and edited to specifications of the ecological technical advisory committee*

[https://www.njmap2.com/assets/pdf/blueprint/methods/Ecological\\_Priority\\_Model\\_Methodology\\_v2\\_2018.pdf](https://www.njmap2.com/assets/pdf/blueprint/methods/Ecological_Priority_Model_Methodology_v2_2018.pdf)

**Hasse, John E.**, 2020, "Water Quality Priority Model," *New Jersey Conservation Blueprint, developed and edited to specifications of the water resources technical advisory committee*

[https://www.njmap2.com/assets/pdf/blueprint/methods/Ecological\\_Priority\\_Model\\_Methodology\\_v2\\_2018.pdf](https://www.njmap2.com/assets/pdf/blueprint/methods/Ecological_Priority_Model_Methodology_v2_2018.pdf)

- Reports and Monographs

Richard G. Lathrop and **Hasse, John E.**, 2020, *Changing Landscapes in the Garden State: Land Use Change in NJ 1986 thru 2015*. Report published by the Rutgers Center for Remote Sensing and Spatial Analysis. July 2020

<https://rucore.libraries.rutgers.edu/rutgers-lib/63974/>

Richard G. Lathrop and **Hasse, John E.**, 2016, *Changing Landscapes in the Garden State: Land Use Change in NJ 1986 thru 2012*. Report published by the Rutgers Center for Remote Sensing and Spatial Analysis. Available at

[http://crssa.rutgers.edu/projects/lc/download/reports/NJ\\_Urb\\_Growth\\_III\\_executive\\_summary\\_2012\\_LathropHasse.pdf](http://crssa.rutgers.edu/projects/lc/download/reports/NJ_Urb_Growth_III_executive_summary_2012_LathropHasse.pdf)

**Hasse, John E.** and Robert Flanagan, 2020 Manuscript – Article on Big History - International Encyclopedia of Human Geography (Second Edition) 2020, Pages 313-321 <https://doi.org/10.1016/B978-0-08-102295-5.10625-0>

- Extramural Presentations at Conferences

"NJ Conservation Blueprint: Using Land Development Trends for Effective Conservation Planning" 2020 Northwest NJ Rivers Conference, November 2020

"New NJ DEP Land Use Data for Better Analysis, Planning & Conservation", *Session organizer and presenter, New Jersey Chapter of the American Planning Association, New Brunswick NJ, January 23, 2020*

"NJ Conservation Blueprint for Environmental Management" table presentation, Association of NJ Environmental Commissions Annual Congress, Mercer County Community College, October 4, 2019

"Using NJ MAP - Conservation Blueprint", NJ Land Trust Rally Trenton NJ, March 11, 2019

"NJ Conservation Blueprint Mapping a Vision for NJ's Future Landscape" *New Jersey Chapter of the American Planning Association, New Brunswick NJ, January 24, 2019*

“NJ Map Watershed Explorer for Supporting Sustainable Jersey Water Gold”, New Jersey League of Municipalities. Atlantic City, November 15, 2018

“New Jersey’s Conservation Blueprint: Prioritizing the Last Million Acres,” Land Trust Alliance National Conference, Pittsburgh PA October 13, 2018

“NJ Conservation Blueprint, Update and Status”, NJ Land Trust Rally Trenton NJ, March 2, 2018

“Agricultural Preservation Priority Model - NJ Conservation Blueprint” – invited speaker to the State Agricultural Development Commission, February 22, 2018

*“Planning for Land Conservation: Meet the NJ Conservation Blueprint”, New Jersey Chapter of the American Planning Association, New Brunswick NJ, January 25, 2018*

“NJ Conservation Blueprint for Stewardship”, Natural Lands Stewardship Workshop, Watershed Institute, Pemberton NJ, Dec 7, 2017

“NJ Lands Blueprint Updates & Utilization by NJ Land Professionals”, NJ League of Municipalities Atlantic City NJ, November 15, 2017

“NJ MAP: GIS for the Rest”, GIS Day Invited Keynote Speaker – Burlington County College, November 15, 2017

“Protecting the Environment through the Magic of Maps”, Rowan University School of Earth & Environment Invited Colloquium talk –11-16-2017

“NJ MAP Workshop Environmental Commissions”, Association New Jersey Environmental Commission Annual Congress 2017 – Oct 13 Mercer County College

“NJ MAP Buildout Modeler” – NJ County Planners Association, September 15, 2017

“Using the Conservation Blueprint for Environmental Protection”, *Association of New Jersey Environmental Commissions invited workshop presenter*, Belvidere, NJ June 27, 2017

“The New Jersey Buildout Modeler Planning Tool For Water Quality Protection”, invited presentation to the New Jersey County Planners Association, Thompson Park, Beech Room, Lincroft, NJ, March 24, 2017

“The Conservation Blueprint: Geospatial Tools to Assist Public Lands Management”, invited presentation Quarterly Meeting of the NJ State Parks Managers, Monmouth Battlefield State Park, March 22, 2017

“The New Jersey Municipal Asset Profiler.” The New Jersey Land Conservation Conference, March 2017 New Brunswick, New Jersey

“Geospatial Tools for Preserving NJ’s Remaining Open Spaces: The NJ Municipal Asset Profiler” New Jersey Chapter American Planning Association Annual Conference. New Brunswick NJ, January 26, 2017

“NJ MAP for As a Tool for Professional Planning” New Jersey Chapter American Planning Association Annual Conference. New Brunswick NJ, January 26, 2017

### **Professional Honors & Recognition**

**Governor’s Environmental Excellence Award – 2019;** State of New Jersey Department of Environmental Protection

**Environmental Achievement Award – 2019;** Association of New Jersey Environmental Commissions

### **Selected funded research contracts, grants or commissions in last 7 years**

**\$50,000:** *NJ Conservation Blueprint Operational Support & Development*, January 2021– December 2021, data updating and functional enhancements, NJ Garden State Preservation Trust.

**\$134,000:** *Farmland Preservation Geospatial Support Internship Program*, July 2020– June 2021, providing mapping support services and online mapping tools, NJ Department of Agriculture.

**\$35,000:** *NJ Conservation Blueprint Operational Support & Development*, July 2019– September 2020, data updating and functional enhancements, NJ Garden State Preservation Trust.

**\$35,000:** *Camden City Community Asset Module - NJ Conservation Blueprint*, April 2019 – November 2020, data updating and functional enhancements, The Nature Conservancy.

**\$20,000:** *NJ Conservation Blueprint Operational Support & Development*, July – December 2018, data updating and functional enhancements, The Nature Conservancy.

**\$20,000:** *New Jersey Municipal Asset Profiler Operational Support [NJ MAP]*, (2018 – 2019), project PI, online open access web GIS viewer to support local decision-making and better environmental management, Kirby Foundation. Total funding to date **\$60,000**

**\$65,000:** *New Jersey Municipal Asset Profiler [NJ MAP]*, (2011 – 2020), project PI, online open access web GIS viewer to support local decision-making and better environmental management and planning, Geraldine R. Dodge Foundation. Total funding to date **\$355,000**.

**\$156,000** *NJ National Guard Geospatial Facilities GIS Mapping Internship.*, (2018–2019) recontracted to 2020) Project PI, GIS internship program to map facilities of New Jersey’s National Guard Readiness Centers, New Jersey Army National Guard. Total funding to date **\$920,000**, future funding contracted through 2025 - **\$750,000** additional.

**\$154,000** *Planning for Water Quality – Buildout Modeler Phase II* (2017 – 2018), project PI, funded by New Jersey Department of Environmental Office of Water Quality to model water quality impacts of various buildout scenarios for municipal zoning using web-based visualizations.

**\$40,000** *Conservation Blueprint Phase II Part B.*, (2017 – 2018), project PI, online mapping project in partnership with the Nature Conservancy and the New Jersey Conservation Foundation to develop web-based land preservation assistance tools, funded by the William Penn Foundation.

**\$5,000** *NJ Available Lands Analysis.*, (2017-18), project PI, GIS analysis to estimate lands available for affordable housing development, Fair Share Housing Center.

**\$45,000** *Conservation Blueprint.*, (2015 – 2016), project PI, online mapping project in partnership with the Nature Conservancy and the New Jersey Conservation Foundation to develop web-based land preservation assistance tools, funded by the William Penn Foundation.

**\$153,000** *Planning for Water Quality – Salem County Pilot Project* (2014 – 2016), project PI, funded by a US EPA 603b Passthrough to NJDEP funded project to model water quality impacts of various buildout scenarios for municipal zoning using web-based visualizations.