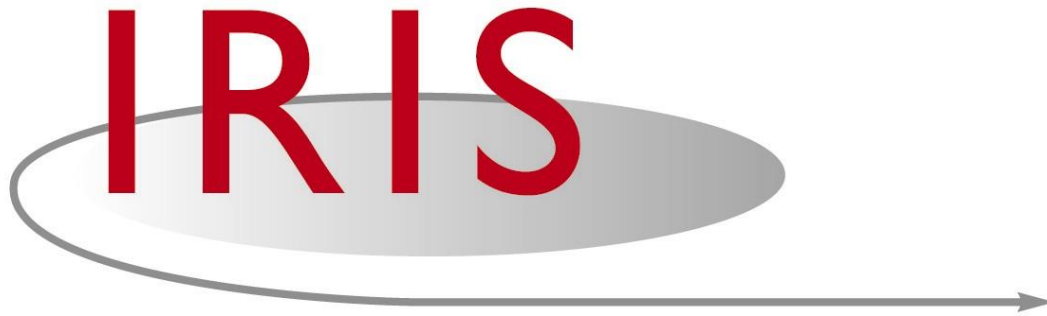
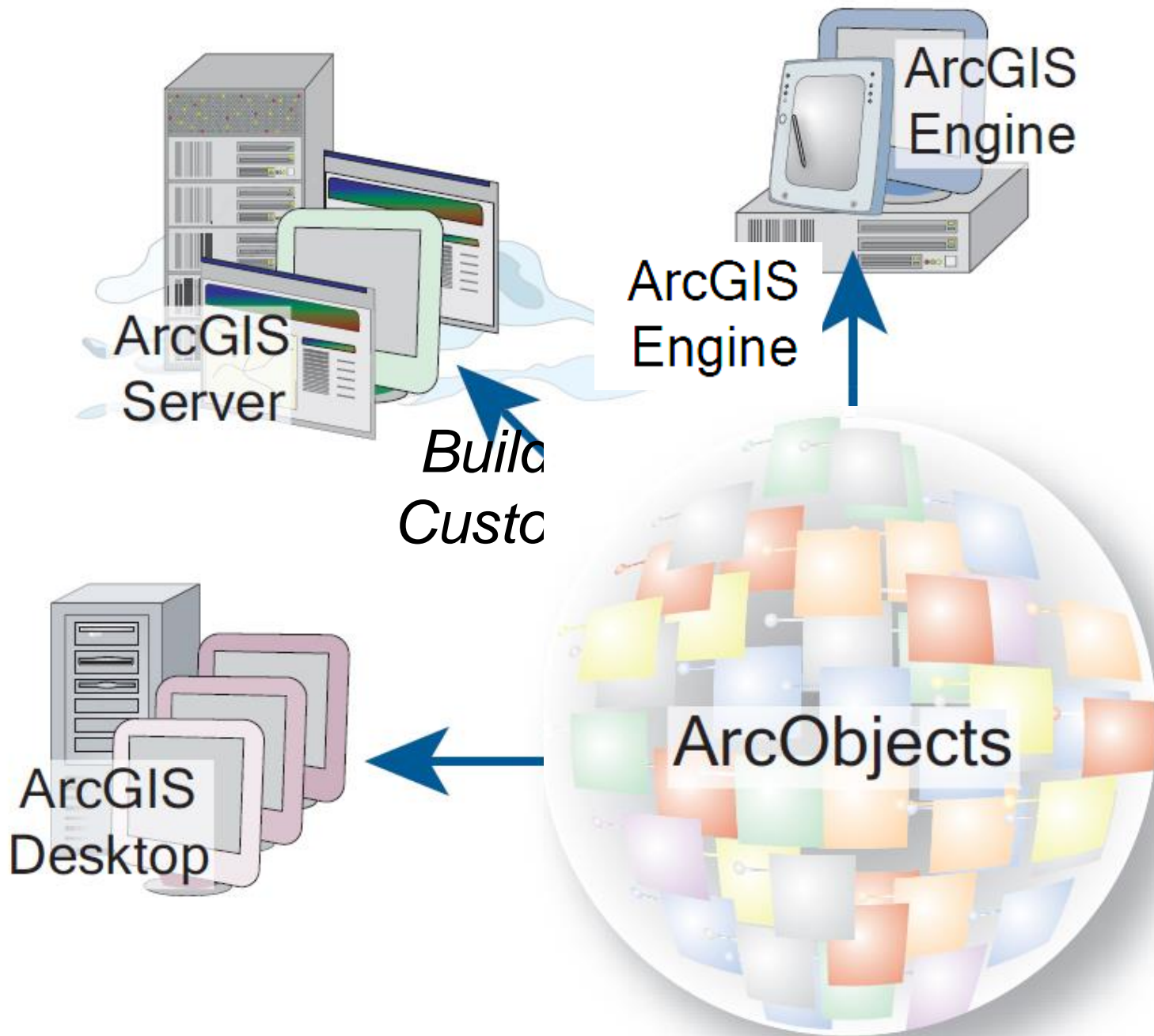


Developing Custom Applications Using ArcGIS Engine

James Mastroianni



Institute for Resource Information Sciences



LegendFormat

ILegendF

Unknown

Default: IAreaPatch
DefaultLinePatch: ILinePatch

ArcObjects

ILegendForm

IPersistStream

ILegendLayo

ILegendLayout: Unknown

Scale: Unknown
OnResize: Boolean

tion

(value: Double)

LegendFormat

ILegendFormat : IUnknown

- DefaultAreaPatch: IAreaPatch
- DefaultLinePatch: ILinePatch
- DefaultPatchHeight: Double
- DefaultPatchWidth: Double
- GroupGap: Double
- HeadingGap: Double
- HorizontalItemGap: Double
- HorizontalPatchGap: Double
- LayerNameGap: Double
- ShowTitle: Boolean
- TextGap: Double
- TitleGap: Double
- TitlePosition: esriRectanglePosition
- TitleSymbol: ITextSymbol
- VerticalItemGap: Double
- VerticalPatchGap: Double

← Scale (in XScale: Double, in YScale: Double)

ILegendLayout : IUnknown

- ScaleGraphicsOnResize: Boolean

ILegendFormat



IClone



IPersist



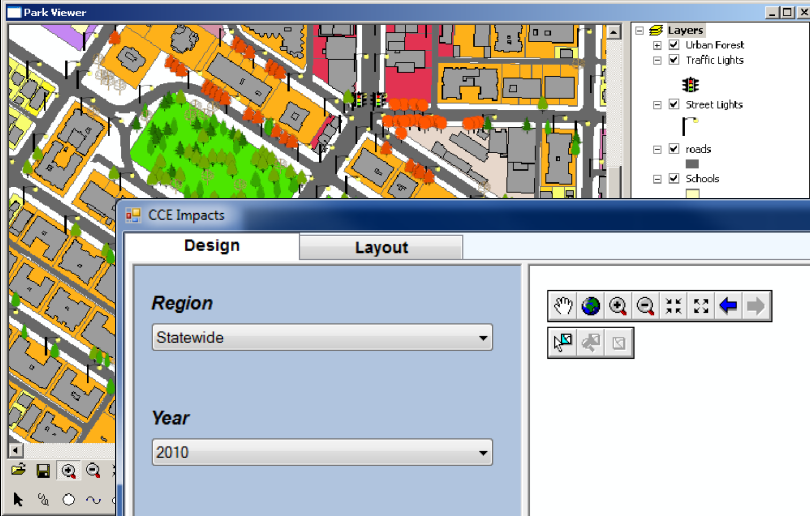
IPersistStream



ILegendLayout



Park Viewer



Layers

- Urban Forest
- Traffic Lights
- Street Lights
- roads
- Schools


CCE Impacts Design Layout

Region
Statewide

Year
2010

Programs

- Agriculture & Food Systems
- Community & Economic Vitality



CCE Impacts Design Layout

Region
Statewide

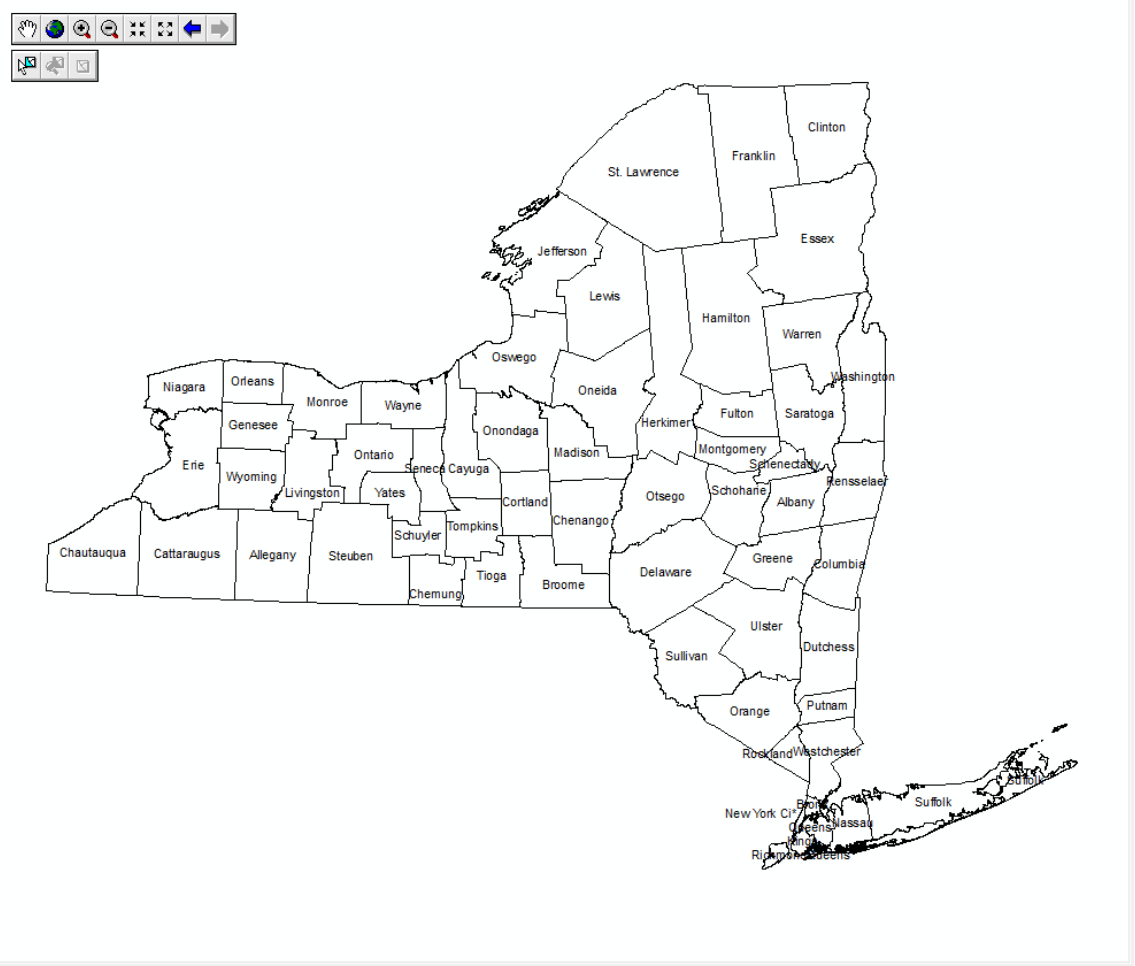
Year
2010

Programs

- Agriculture & Food Systems
- Community & Economic Vitality
- Nutrition & Health
- Environment & Natural Resources
- Children, Youth, & Families

Process

Send to Layout



Map Layers

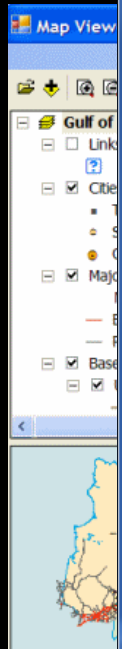
- NY Statewide
- CountyAnnotations
- Counties

Map View

Gulf of ...

City

Base



2022 2025

Rainer Loudon



Select Region

CCE Impacts

Design Layout

Region

Statewide
Statewide
Assembly Districts
Congressional Districts
Senate Districts

2010

Programs

Agriculture & Food Systems
 Community & Economic Vitality
 Nutrition & Health
 Environment & Natural Resources
 Children, Youth, & Families

Process

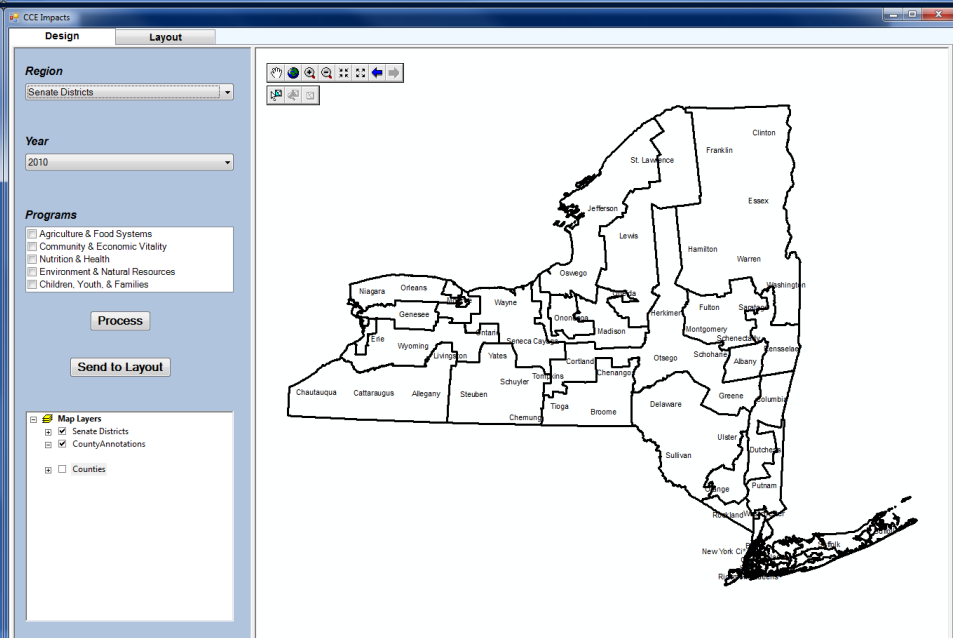
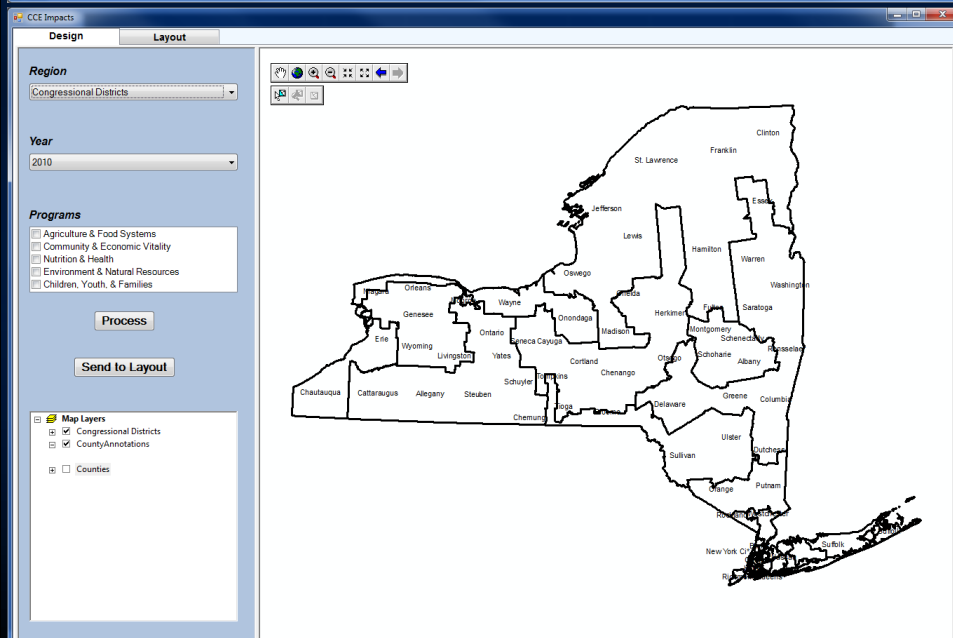
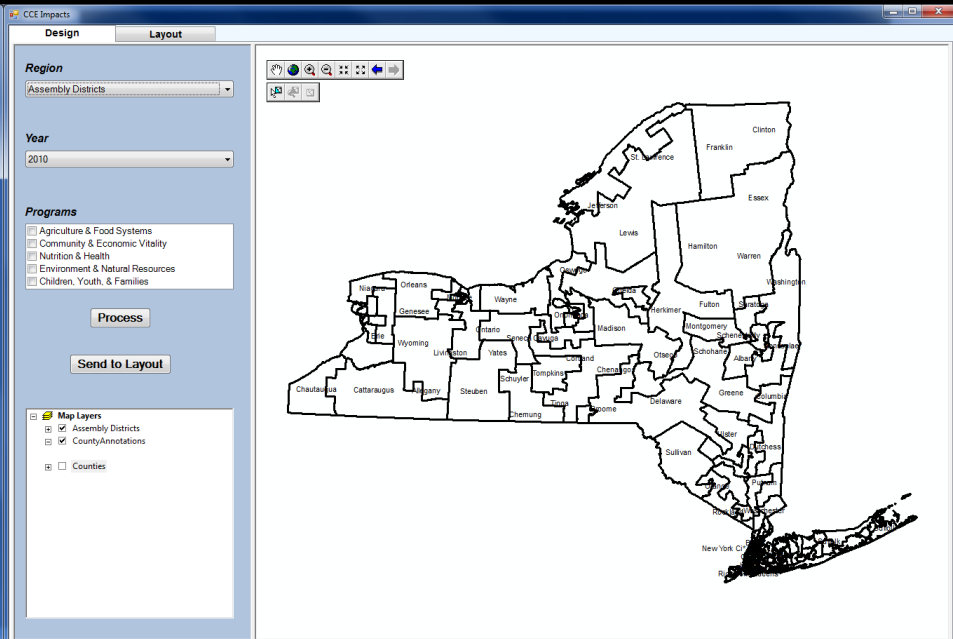
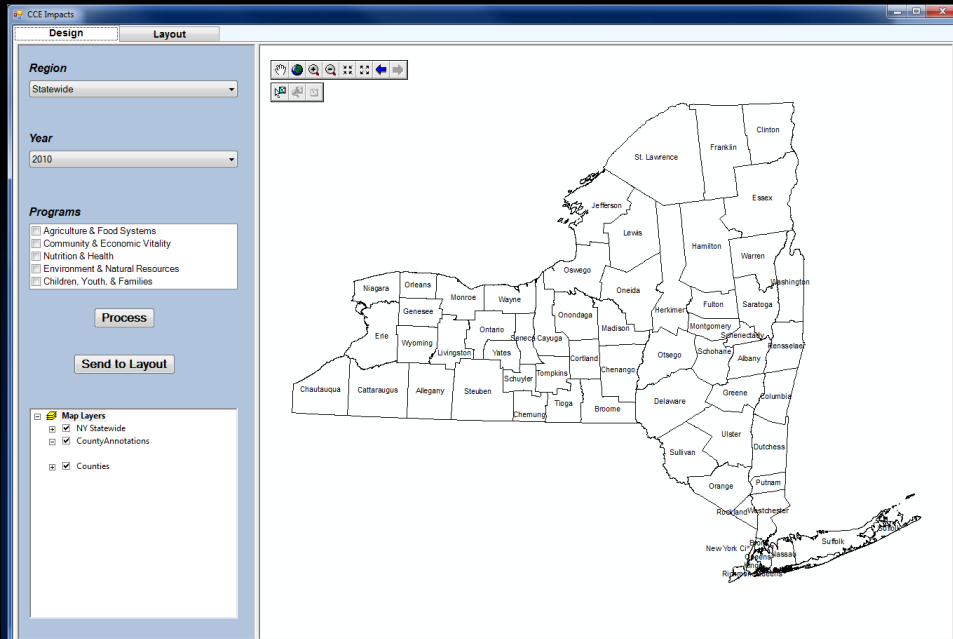
Send to Layout

Map Layers

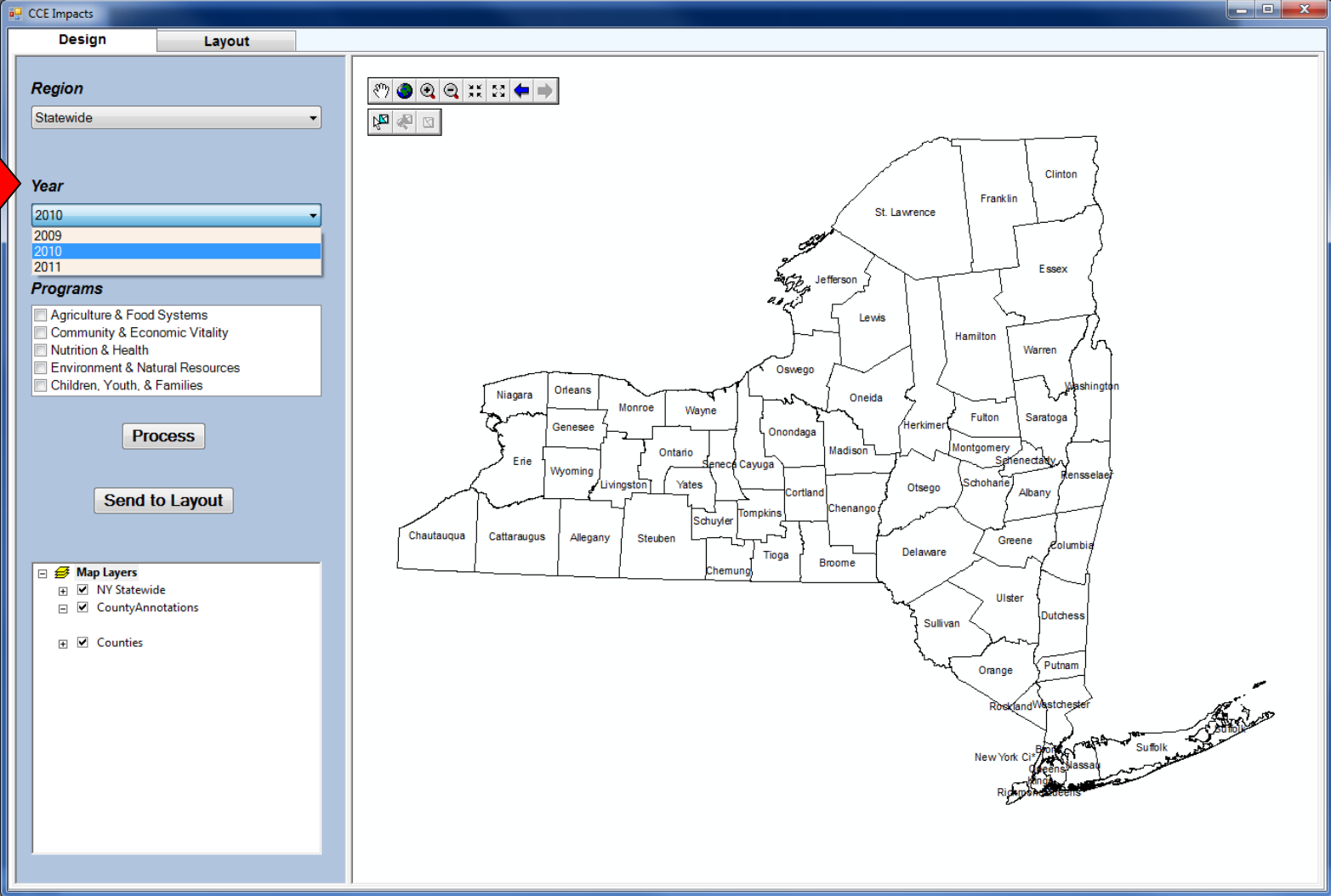
NY Statewide
 CountyAnnotations
 Counties

A map of New York State showing county boundaries and labels. The counties labeled are: St. Lawrence, Franklin, Clinton, Essex, Hamilton, Warren, Jefferson, Lewis, Oswego, Oneida, Herkimer, Fulton, Saratoga, Washington, Niagara, Orleans, Monroe, Wayne, Onondaga, Madison, Montgomery, Schoharie, Rensselaer, Erie, Wyoming, Livingston, Yates, Seneca, Cayuga, Cortland, Chenango, Otsego, Schoharie, Albany, Delaware, Greene, Columbia, Sullivan, Ulster, Dutchess, Putnam, Orange, Putnam, Rockland, Westchester, New York City, Richmond, Albany, Sullivan, and Westchester.

Region Choices



Select Year



The screenshot displays the 'CCE Impacts' application window. On the left, a sidebar contains several sections: 'Region' (set to 'Statewide'), 'Year' (a dropdown menu with '2010' selected), 'Programs' (a list of categories with checkboxes), and 'Map Layers' (a list of map elements with checkboxes). A red arrow points to the 'Year' dropdown. The main area shows a map of New York State with county names labeled. The map includes a toolbar with navigation and zooming icons. The window title bar reads 'CCE Impacts' and has standard minimize, maximize, and close buttons.

Region

Statewide

Year

2010
2009
2010
2011

Programs

- Agriculture & Food Systems
- Community & Economic Vitality
- Nutrition & Health
- Environment & Natural Resources
- Children, Youth, & Families

Process

Send to Layout

Map Layers

- NY Statewide
- CountyAnnotations
- Counties

Select Programs

The screenshot displays the 'CCE Impacts' software interface. The window title is 'CCE Impacts' and it has standard Windows window controls. The interface is divided into two main sections: a sidebar on the left and a main map area on the right.

Sidebar (Left):

- Design** and **Layout** tabs are visible at the top.
- Region:** A dropdown menu is set to 'Statewide'.
- Year:** A dropdown menu is set to '2010'.
- Programs:** A list of five programs with checkboxes:
 - Agriculture & Food Systems
 - Community & Economic Vitality
 - Nutrition & Health
 - Environment & Natural Resources
 - Children, Youth, & Families
- Process** button
- Send to Layout** button
- Map Layers:** A list of layers with checkboxes:
 - NY Statewide
 - CountyAnnotations
 - Counties

Main Map Area (Right):

- A toolbar with various navigation and map tools is located at the top left of the map area.
- The map shows the outline of New York State, divided into its 62 counties, each labeled with its name.
- The counties labeled are: Niagara, Orleans, Monroe, Wayne, Jefferson, St. Lawrence, Franklin, Clinton, Lewis, Hamilton, Essex, Warren, Oswego, Oneida, Washington, Herkimer, Fulton, Saratoga, Erie, Wyoming, Ontario, Seneca, Cayuga, Onondaga, Madison, Montgomery, Schoharie, Rensselaer, Livingston, Yates, Cortland, Otsego, Albany, Chenango, Delaware, Greene, Columbia, Schuyler, Tompkins, Broome, Sullivan, Ulster, Dutchess, Orange, Putnam, Rockland, Westchester, New York City, Richmond, Albany, Suffolk, and Westchester.

Update Selections

The screenshot shows the CCE Impacts software interface. The main window is titled "CCE Impacts" and has two tabs: "Design" (selected) and "Layout".

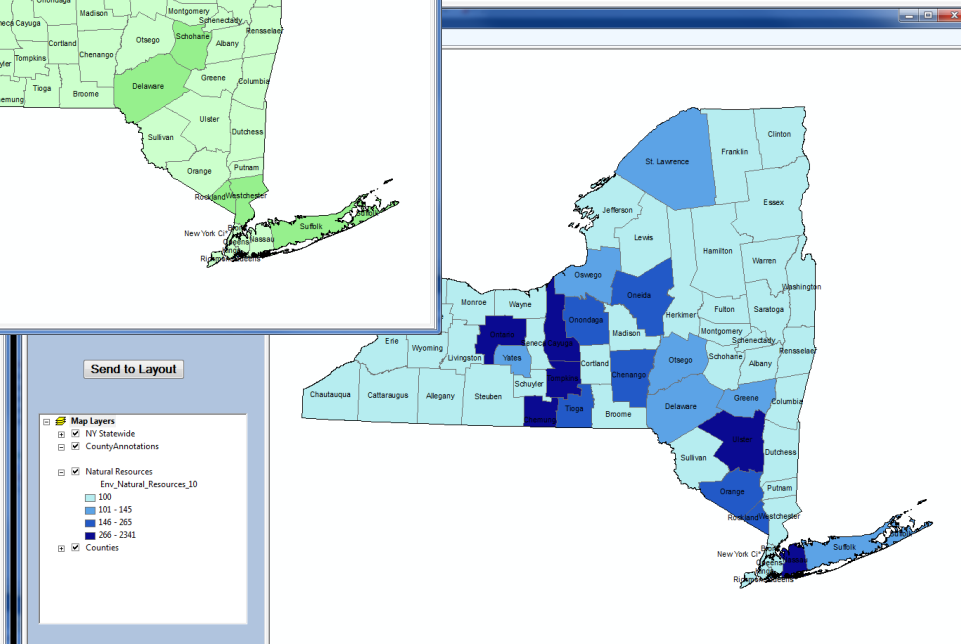
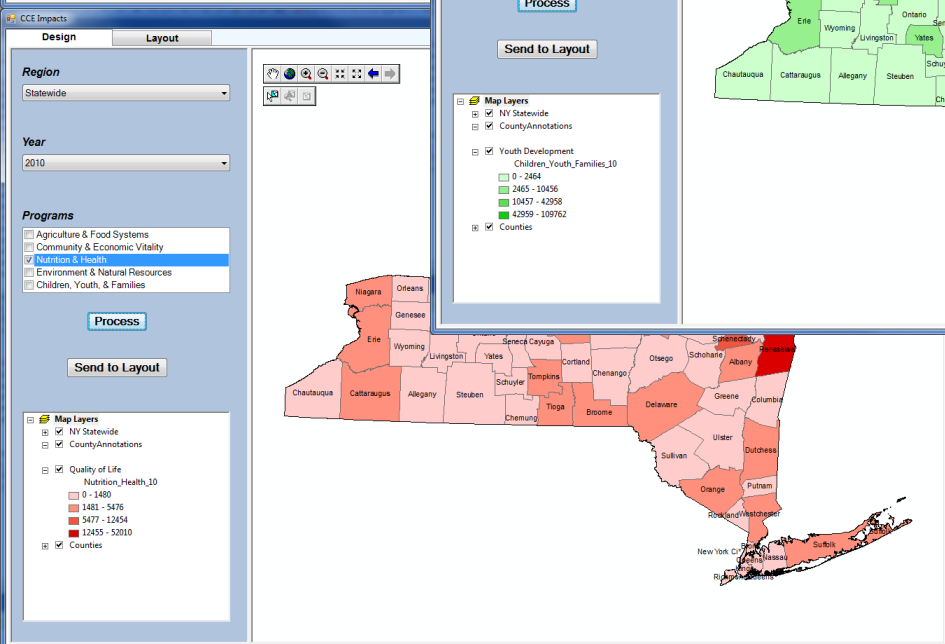
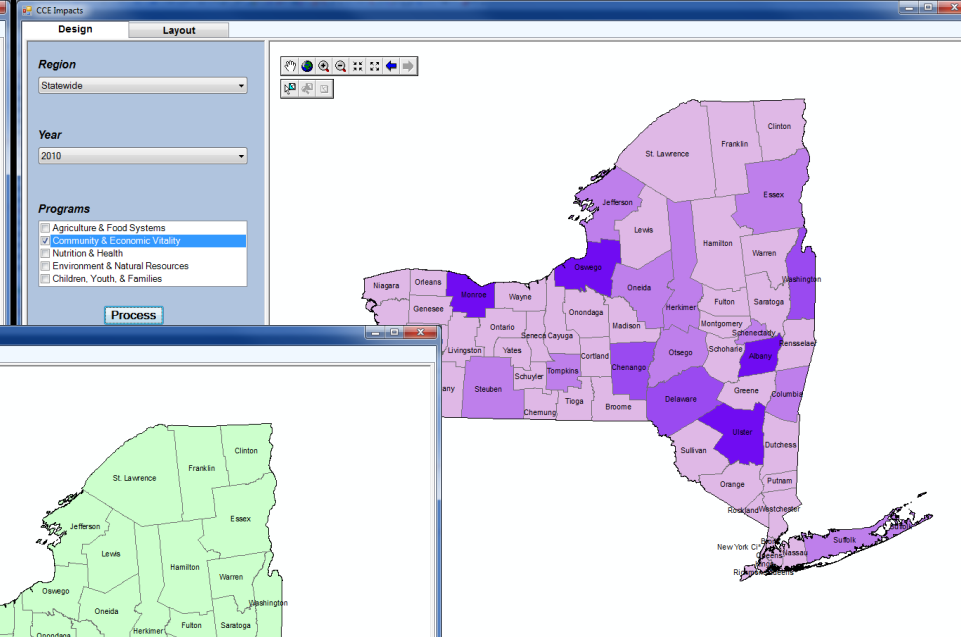
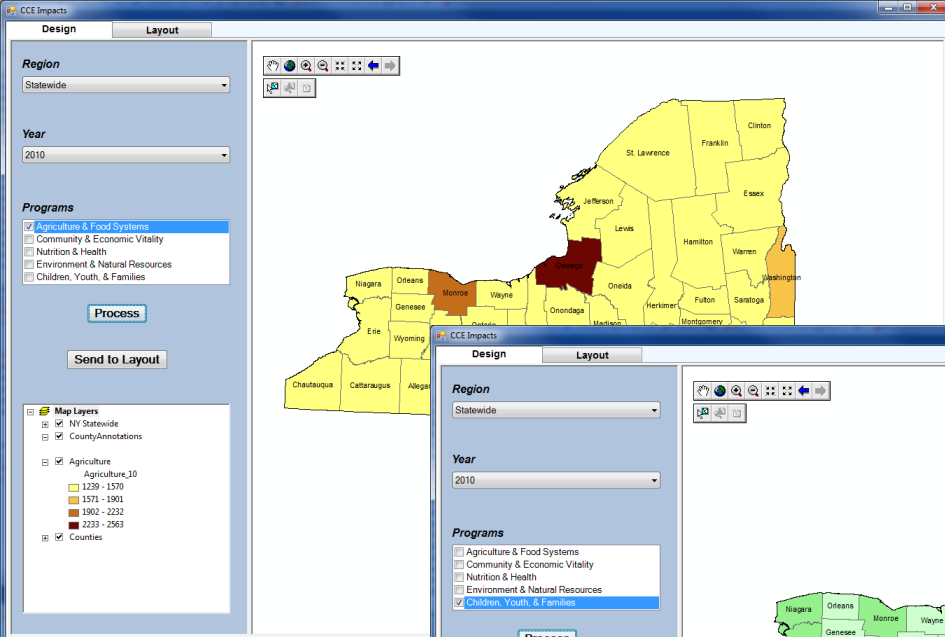
Design Panel (Left Sidebar):

- Region:** A dropdown menu set to "Statewide".
- Year:** A dropdown menu set to "2010".
- Programs:** A list of programs with checkboxes:
 - Agriculture & Food Systems
 - Community & Economic Vitality
 - Nutrition & Health
 - Environment & Natural Resources
 - Children, Youth, & Families
- Buttons:** A red arrow points to a "Process" button. Below it is a "Send to Layout" button.
- Map Layers:** A list of layers with checkboxes:
 - NY Statewide
 - CountyAnnotations
 - Counties

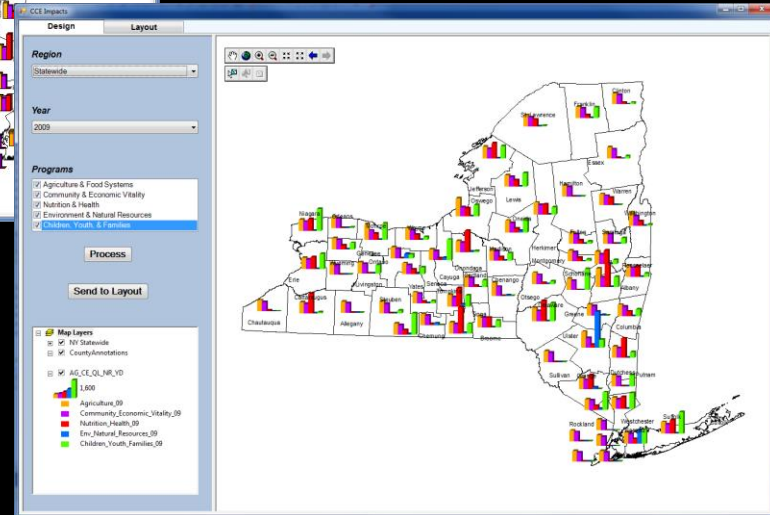
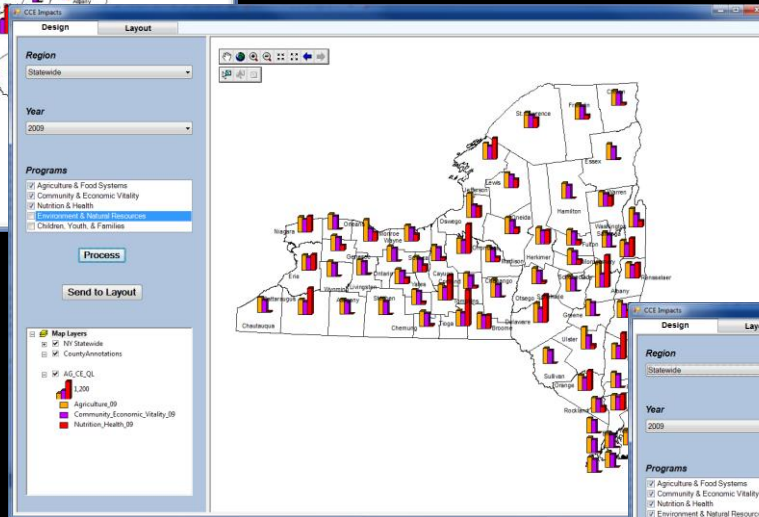
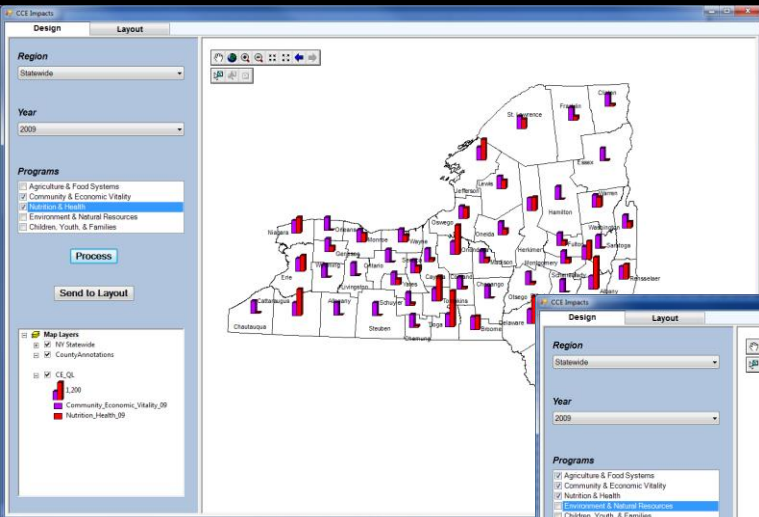
Map (Right Panel):

The map displays the outline of New York State, divided into its 62 counties. Each county is labeled with its name. The map includes a toolbar with navigation icons (hand, pan, zoom in, zoom out, home, back, forward) and a legend icon.

Program Choices Individually



Program Choices Compared



Send to Layout

CCE Impacts

Design Layout

Region
Statewide

Year
2010

Programs

- Agriculture & Food Systems
- Community & Economic Vitality
- Nutrition & Health
- Environment & Natural Resources
- Children, Youth, & Families

Process

Send to Layout

Map Layers

- NY Statewide
- CountyAnnotations
- Agriculture
 - Agriculture_10
 - 1239 - 1570
 - 1571 - 1901
 - 1902 - 2232
 - 2233 - 2563
- Counties

Map navigation tools: Hand, Home, Full Screen, Zoom In, Zoom Out, Pan, Print, Close.

Print or Export

CCE Impacts

Design Layout

Print to to default

Export to PDF

Export to JPEG

Cornell Cooperative Extension
Program Area Impacts by County Association

Year: XXXX
Region: XXXXXXX


Legend

Agriculture

| |
|-------------|
| 1000 - 1038 |
| 1039 - 1106 |
| 1107 - 1248 |
| 1249 - 1657 |

Source:
XXXXXXX

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 Cornell University
Cooperative Extension