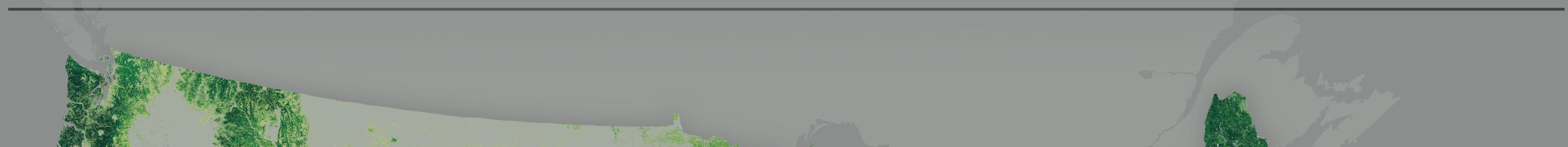


United States Department of Agriculture **Forest Service**

INGREDIENTS DE A NATIONWIDE N

The USFS Geospatial Technology and Applications Center (GTAC) is responsible for producing and maintaining the National Land Cover Database (NLCD) Tree Canopy Cover (TCC) product. Percent tree canopy cover was mapped for the contiguous United States using Landsat imagery, topographic data, photo-interpreted training data, and the modeling algorithm randomForest. NLCD products are updated on a five-year cycle, with the next version of the NLCD-TCC products (2016) being released in 2018.





2 Billion Acres

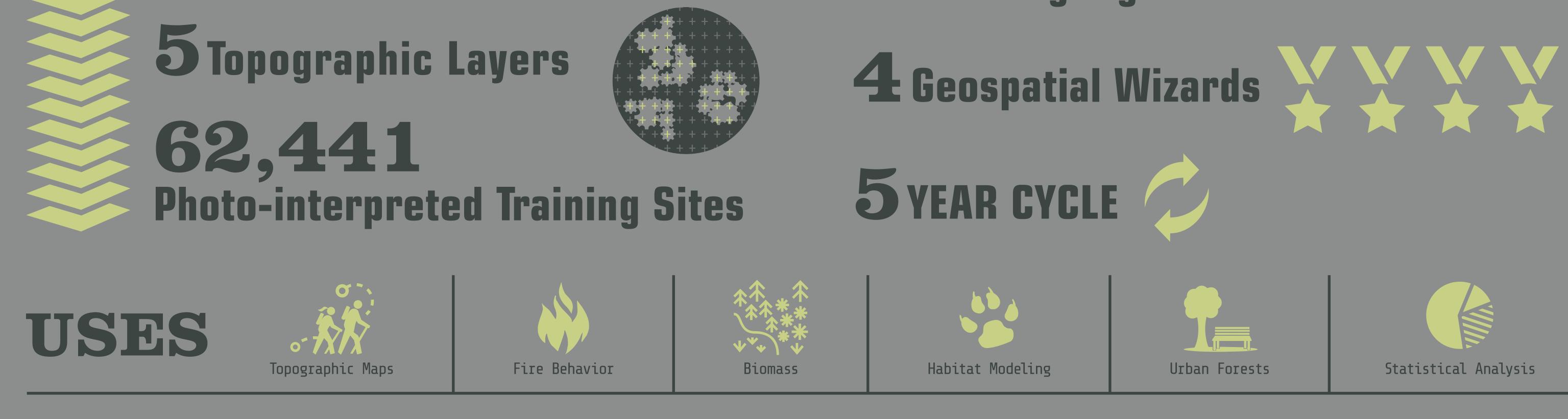
GEOSPATIAL DATA

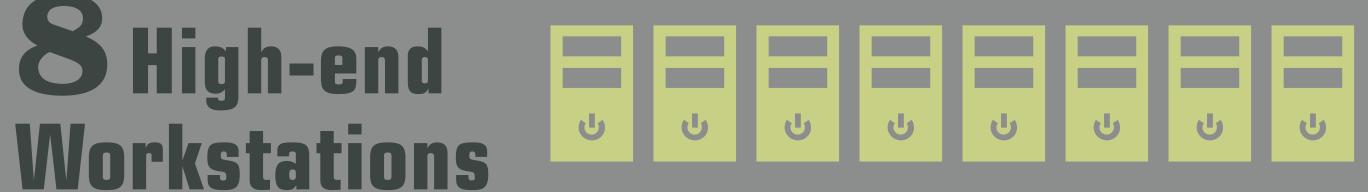
MAP DEVELOPMENT

20 Landsat Bands and **Derivatives**

438 Landsat Path/Rows

2,244 Landsat Scenes





17,285 Lines of Python Code

1 Modeling Algorithm (randomForest)

CONTACT Stacie Bender, Geospatial Specialist, staciebender@fs.fed.us, Geospatial Technology and Applications Center | Mapping Our Future Together Resource, Mapping, Inventory and Monitoring, USDA Forest Service, GTAC

AUTHORS: Stacie Bender¹, Wendy Goetz², Mark Finco², Vicky Johnson², Bonnie Ruefenacht², Greg Liknes³, Kevin Megown¹ Author Affiliations: 1. Geospatial Technology and Applications Center (GTAC), USDA Forest Service, Salt Lake City, Utah 2.RedCastle Resources, Inc., Salt Lake City, Utah 3.Northern Research Station, Forest Inventory and Analysis (FIA), USDA Forest Service, Saint Paul, Minnesota Reference Number 10133-POST | Poster Concept and Design: Linda R. Smith², Icons: Creative commons.org/licenses/by/3.0/us/, Wildlife: Marco Micheli; Pie Graph: Martha Ormiston; Computer Tower: Creative Stall; others manipulated by L.R. Smith | Reference: GTAC-10133-POS-1 | 🤣 Learn, Share, Recycle | USDA is an equal opportunity provider and employer.