APPENDIX 1

i-Tree Staff and Collaborators

The following list of people have worked on i-Tree or predecessor programs (UFORE and STRATUM). The list also includes their affiliation, an estimate of the period of involvement, and a brief description of their role. Many people have contributed to these programs; any omissions from the list are accidental. Davey Institute, listed in the affiliations below, is a division of the Davey Tree Expert Company; Davey Institute employees are funded through a cost-share with the USDA Forest Service. Affiliations of Davey Tree refer to The Davey Tree Expert Company. SUNY-ESF refers to State University of New York, College of Environmental Science and Forestry in Syracuse, NY.

1980s

David J. Nowak, USDA Forest Service (1988–current)—i-Tree Team Leader; UFORE/i-Tree Eco model origination and development; originator of several i-Tree tools and methods.

Rowan A. Rowntree, USDA Forest Service (1988–1997)—UFORE development advisor

1990s

Jim Baldwin, USDA Forest Service (1990–1991)—statistical advisor

Lee Philbin, USDA Forest Service (1991–2000)—administrative support

Jerry Walton, USDA Forest Service (1991–1996)—statistical advisor

Una Wiegand, USDA Forest Service (1994–2017)—administrative support

Dennis Baldocchi, Oak Ridge National Lab (1995)—developer of big-leaf, multi-hybrid model code that was adapted and integrated within UFORE

Bhesh Dimala, SUNY-ESF (1995–1996)—UFORE development

Chris Luley, ACRT and Davey Tree (1995–2002)—collaborator in UFORE development

Pat McHale, USDA Forest Service (1995–1996)—UFORE model development

Daniel E. Crane, USDA Forest Service (1996–current)—UFORE/i-Tree Eco model development

David Randall, USDA Forest Service (1996–2004)—statistical advisor

Jack Stevens, USDA Forest Service (1996–2011)—i-Tree science development and support

Myriam Ibarra, SUNY-ESF (1997–1998)—UFORE testing and development

Jerry Bond, Davey Tree (1998–2002)—collaborator in UFORE development

Greg McPherson, USDA Forest Service (1998–2010)—lead STRATUM developer

Appendix 1 (<https://doi.org/10.2737/NRS-GTR-200-2021-Appendix1>) in: Nowak, David J. 2021. Understanding i-Tree: 2021 summary of programs and methods. General Technical Report NRS-200-2021. Madison, WI: U.S. Department of Agriculture, Forest Service, Northern Research Station. 100 p. [plus 14 appendixes]. <https://doi.org/10.2737/NRS-GTR-200-2021>.

Klaus Scott, USDA Forest Service, California Air Resources Board (1998–2001)—STRATUM model development

Paula Peper, USDA Forest Service (1998–2010)—lead biometrician for STRATUM modeling

James Simpson, USDA Forest Service (1998–2010)—STRATUM modeling, energy effects research

Qingfu Xiao, USDA Forest Service, UC Davis (1998–2010)—STRATUM modeling, rainfall interception research

2000s

Gordon Heisler, USDA Forest Service (2000–2013)—development of temperature, UV radiation, and human comfort models

Scott Maco, USDA Forest Service, Davey Institute (2000–current)—i-Tree Streets development; i-Tree project lead

James Ho, USDA Forest Service (2001–2004)—STRATUM development

Thomas Mutton, USDA Forest Service (2001–2005)—STRATUM development

Francisco Escobedo, USDA Forest Service (2002–2004)—i-Tree Eco development and testing

Shelley Gardner, USDA Forest Service (2002–2004)—STRATUM development

Jeffrey Walton, USDA Forest Service, (2002–2007)—i-Tree Canopy development and program science development

Jaewon Choi, SUNY-ESF (2003–2004)—UFORE development

Robert Hoehn, USDA Forest Service (2003–current)—UFORE/i-Tree Eco development and project support

Jesse Hoekstra, USDA Forest Service (2003–2005)—STRATUM development

Ted Endreny, SUNY-ESF (2004–current)— i-Tree Hydro and i-Tree Cool development

Greg Ina, Davey Institute (2004–2014)—i-Tree project lead

Kelaine Vargas, USDA Forest Service (2004–2007)—STRATUM development

Jun Wang, SUNY-ESF (2004–2008)—original developer of i-Tree Hydro code

Mike Binkley, Davey Institute (2005–current)—i-Tree project management and software development of numerous i-Tree tools

Latif Kaya, SUNY-ESF (2005–2006)—i-Tree Eco database development

Shaun O'Rourke, SUNY-ESF (2005–2006)—i-Tree data processing and testing

John Stanovick, USDA Forest Service (2004–current)—statistical advisor

Lianghu Tian, Davey Institute (2005–current)—software development of numerous i-Tree tools

Judy Zhu, Davey Institute (2005–2006)— i-Tree Eco software development

David Bloniarz, USDA Forest Service (2006–current)—i-Tree Storm and MCTI developer, i-Tree videos and webinars, i-Tree.edu

Don Lipscomb, Clemson University (2006–2007)—prototype plot generator in Eco

Mark Buscaino, USDA Forest Service and Casey Trees (2006–current)—i-Tree Executive Team

Keith Cline, USDA Forest Service (2006–2014)—i-Tree Executive Team

Dan Lambe, Arbor Day Foundation (2006–current)—i-Tree Executive Team

Jerri LaHaie, Society of Municipal Arborists (2006–current)—i-Tree Executive Team

Chris Post, Clemson University (2006–2007)—prototype plot generator in i-Tree Eco

Phillip Rodbell, USDA Forest Service (2006–current)—i-Tree development, funding, and dissemination support

H. Dennis Ryan, University of Massachusetts (2006–2008)—collaborator on i-Tree Storm and MCTI development

Mary Ann Schaefer, Davey Institute (2006–current)—administrative support

Jim Skiera, International Society of Arboriculture (2006–2017)—i-Tree Executive Team

Susan Wright, USDA Forest Service (2006–current)—i-Tree report development

Shannon Albers, USDA Forest Service (2007–2010)—STRATUM development

Alexis Ellis, USDA Forest Service, Davey Institute (2007–current)—software development and database management of numerous i-Tree tools

Eric Greenfield, USDA Forest Service (2007–current)—spatial database development

Satoshi Hirabayashi, SUNY-ESF, Davey Institute (2007–current)—software architect and development of numerous i-Tree tools

Michael Kerr, Davey Institute (2007–2015)—i-Tree Hydro and Eco software development

Andy Lee, USDA Forest Service (2007–2008)—i-Tree Hydro testing

Paul Lilly, SUNY-ESF (2007–2008)—i-Tree species data development

Bob Sacks, BlueJay Software (2007–2008)—MCTI and i-Tree PDA data collector

Nathan Edberg, USDA Forest Service (2008–2017)—invasive pest data

David Ellingsworth, Davey Institute (2008–current)—software development of numerous i-Tree tools

Frank Krist, USDA Forest Service (2008–2019)—invasive pest data

Chuck Kroll, SUNY-ESF (2008–current)—i-Tree optimization and testing

Tim Porter, SUNY-ESF (2008–2009)—i-Tree data processing

Chris Sorrentino, USDA Forest Service (2008–2010)—i-Tree Eco development

Al Zelaya, Davey Institute (2008–current)—i-Tree technical support

Robert Bridges, USDA Forest Service (retired) (2009–2010)—allometric equations

Carlo Calfapietra, Institute of Agro-Environmental & Forest Biology National Research Council (2009–current)—i-Tree Eco development and testing

Arianna Morani, Institute of Agro-Environmental & Forest Biology National Research Council (2009–2015)—i-Tree Eco development and testing

Sanyam Chaudhary, Syracuse University (2009–2010)—i-Tree Hydro code development and documentation

2010s

Maria Cabaraban, SUNY-ESF (2010–2013)—testing of i-Tree programs

Craig Hallam, ENSPEC (2010–2012)—collaborator and co-funder in i-Tree Eco Australia development

Louis Iverson, USDA Forest Service (2000–2018)—projected species range maps

Laura Jackson, U.S. Environmental Protection Agency (2010–2021)—integration of i-Tree and EnviroAtlas

Rahul Kumhar, Syracuse University (2010)—i-Tree code development

Anne Neale, U.S. Environmental Protection Agency (2010–current)—integration of i-Tree results in EnviroAtlas

Chris Spencer, ENSPEC (2010–2012)—collaborator in i-Tree Eco Australia development

Yang Yang, SUNY-ESF, Davey Institute (2010–2016)—i-Tree Hydro development and original development of i-Tree Cool and Green Envelope code

Allison Bodine, USDA Forest Service, Davey Institute (2011–2017)—i-Tree Eco development and project support

Anne Buckelew, USDA Forest Service (2011–2013)—IPED development

Yu Chen, Syracuse University (2011–2012)—i-Tree code development

Joseph LaForest, Bugwood Network (2011–2013)—IPED development

Donna Foster, USDA Forest Service (2011–2013)—IPED development

Jim Steinman, USDA Forest Service (2011–2013)—IPED development

Dan Twardus, USDA Forest Service (2011–2013)—IPED development

Ryan Ash, SUNY-ESF (2012–2013)—i-Tree database information

Shannon Conley, Syracuse University (2012–2013; 2017–2019)—hydrology model development

Danielle Fitzko, Vermont Department of Forests, Parks and Recreation (2012–2016)—i-Tree Landscape development

Mollie Freilicher, Massachusetts Department of Conservation and Recreation (2012–current)
—i-Tree Landscape development

Mary Grunstra, University of Toronto (2012)—GIS data to facilitate use in Canada; funded in part by Tree Canada.

Jason Henning, Davey Institute (2012–current)—i-Tree technical support

Susannah Lerman, USDA Forest Service (2012–2014)—development of wildlife habitat data in i-Tree Eco

Keith Nislow, USDA Forest Service (2012–current)—collaboration in i-Tree Eco and Wood Marketplace development

Hang Ryeol Na, SUNY-ESF (2012–2014)—development of UV radiation reduction science used in i-Tree Eco

Dick Rideout, Wisconsin Department of Natural Resources (2012–2016)—Tree Landscape development

Ethan Bodnaruk, SUNY-ESF (2013–2017)—development of optimization processes

María del Pilar Arroyave Maya, Escuela de Ingeniería de Antioquia (2013–current)—development of i-Tree Eco in Colombia

Cecil Konijnendijk, Swedish University of Agricultural Sciences, The University of British Columbia (2013–current)—collaborator in i-Tree Eco Europe development

Johan Östberg, Swedish University of Agricultural Sciences (2013–current)—collaborator in i-Tree Eco Europe development

Bhavi Patel, Syracuse University (2013–2014)—i-Tree code development

Harsh Sinha, Syracuse University (2013–2014)—i-Tree code development

Emily Stephan, SUNY-ESF (2013–2017)—development of i-Tree Hydro hotspot analyses

Tom Taggart, SUNY-ESF (2013–2017)—development of i-Tree Hydro

Kevin Whalen, Davey Institute (2013–current)—development of numerous i-Tree tools

Zhicheng Zhao, Syracuse University (2013–2014)—i-Tree Hydro development

Tim Aevermann, Ludwig-Maximilians-Universität München (2014–2017)—collaborator on i-Tree Eco Europe development

Haley Canham (2014)—i-Tree databases

Kieron Doick, Forest Research (2014–current)—collaborator in i-Tree Eco UK

Jordan Gray-Dekraai, SUNY-ESF (2014–2015)—i-Tree species data development

Pallavi Iyengar, Syracuse University (2014–2015)—i-Tree Hydro development

Mark Hatfield, USDA Forest Service (2014–current)—integration of i-Tree within USDA Forest Service Forest Inventory and Analysis systems

Mark Majewsky, USDA Forest Service (2014–current)—i-Tree integration into USDA Forest Service Forest Inventory and Analysis (FIA) systems

Lauren Marshall, USDA Forest Service (2014–current)—i-Tree Executive Team

Kenton Rogers, Treeconomics (2014–current)—collaborator in i-Tree Eco UK development

Keith Sacre, Barcham Trees (2014–current)—collaborator in i-Tree Eco UK development

Jim Smith, USDA Forest Service (2014)—compilation of county FIA carbon data used in i-Tree Landscape

Tim Staggmata, SUNY-ESF (2014–2015)—i-Tree database information and processing

James Steenberg, University of Toronto (2014–2015)—collaborator on i-Tree testing and use

Jerry Bauer, USDA Forest Service (2015–current)—Spanish translations; i-Tree work in Santo Domingo

Robbie Coville, Davey Institute (2015–current)—i-Tree Hydro development and support

Krista Heinlen, Davey Institute (2015–current)—i-Tree technical support

Camille McCarthy, USDA Forest Service (2015–current)—development of i-Tree Eco in Colombia, Spanish translations

Christopher Maldonado, SUNY-ESF (2015–2016)—i-Tree data processing

Emmanuel (Manny) Ong, Davey Institute (2015–current)—i-Tree testing

Keely Roy, International Society of Arboriculture (2015–2019)—i-Tree Executive Team

Jeevitha Royapathi, Syracuse University (2015–2017)—i-Tree Hydro development

Isira Samarasekera, Syracuse University (2015–2016)—i-Tree Database and i-Tree Hydro development

Vidmantas Steponavicius, Davey Institute (2015–current)—i-Tree development

Resa Abdi, SUNY-ESF (2016–2019)—i-Tree Cool River development

Bill Christie, USDA Forest Service (2016–2018)—projected species range maps

Jason Cole, USDA Forest Service (2016–current)—i-Tree Landscape development

Maggie DeMarco, SUNY-ESF (2016–current)—energy program improvements

Bill Hargrove, USDA Forest Service (2016–2018)—projected species range maps

Asante Holder, SUNY-ESF (2016–2017)—processing of i-Tree Landscape surface temperature data

Vamsi Krishna Kodali, Syracuse University (2016–2017)—i-Tree Hydro and i-Tree Cool Air development

Brian Lim, RTI International (2016–2019)—collaborator on i-Tree temperature health metrics

Jian Lin, SUNY-ESF (2016–2020)—i-Tree uncertainty analyses

Sheng-Shan Lu, Taiwan Forestry Research Institute (2016–2018)—Chinese translations

Charity Nyelele, SUNY-ESF (2016–2020)—decision support/optimization

Sneha Patil, Syracuse University (2016–2017)—i-Tree Hydro development and documentation

Jennifer Rickhus, RTI International (2016–2019)—collaborator on i-Tree temperature health metrics

Serhun Saglam, University of Istanbul (2016–2018) —collaborator in i-Tree Eco Europe development

Paramita Sinha, RTI International (2016–current)—collaborator on i-Tree temperature health metrics

Kevin Swaney, The Davey Institute (2016–2018)—i-Tree Landscape upgrades

Erika Teach, The Davey Institute (2016–current)—i-Tree technical support

Sunit Vijayvargiya, Syracuse University (2016–2017)—i-Tree Database, Hydro and MyTree development

Trever Wendel, Davey Institute (2016–2018)—i-Tree Landscape development

Patrick Ahrens, Davey Institute (2017–current)—i-Tree Landscape and Planting development

Akshay, Syracuse University (2017)—i-Tree Hydro development

Charles Barger, University of Georgia (2017–current)—health metrics integration within MyTree

Tom Brown, USDA Forest Service (2017)—national water risk data

Kurt Flathers, USDA Forest Service (2017–2019)—collaborator on wildlife data

Saisumanth Gopisetty, Syracuse University (2017–2018)—i-Tree Database development

Richard Hallett, USDA Forest Service (2017–current)—health metrics integration within MyTree

Linda Heath, USDA Forest Service (2017–current)—i-Tree Executive Team

Rachel Holmes, Nature Conservancy (2017–current)—health metrics integration within MyTree

James Kruegler, SUNY-ESF (2017–current)—i-Tree Species database and Hydro development

Arpit Shah, Syracuse University (2017–2018)—i-Tree Hydro, Cool Air, and i-Tree Eco Europe database development

Naomi Zurcher, arbor aegis, European Forum on Urban Forestry organizing committee (2017–current)—collaborator on i-Tree Species database, invasive species, threatened and endangered species, and i-Tree Eco Europe development

Jim Zwack, Davey Institute (2017–current)—i-Tree management

Sally Guillorn, SUNY-ESF (2018)—i-Tree Hydro reporting

Jeremy Hatfield, SUNY-ESF (2018–2019)—i-Tree Hydro assessments and database development

Lucie Lepine, USDA Forest Service (2018–current)—i-Tree integration into USDA Forest Service Forest Inventory and Analysis (FIA) systems

Vishal Partekh, Syracuse University (2018–2019)—MyTree and i-Tree Database upgrades

Caitlyn Pollihan, International Society of Arboriculture (2018–current)—i-Tree Executive Team

Rama Teja Repaka, Syracuse University (2018–2019)—i-Tree Design upgrades

Annabel Buckland, Treeconomics (2018)—i-Tree Canopy and Design for Europe

Rocco Pace, Karlsruhe Institute of Technology Graduate School for Climate and Environment (2018–current)—i-Tree transpiration values

Antonio Ong, Davey Institute (2018–current)—i-Tree Landscape, Design, and Planting upgrades

Chan Ryul Park, Urban Forests Research Center, National Institute of Forest Science (NIFoS) (2018–current)—i-Tree development in South Korea

Doohan Kwak, Urban Forests Research Center, National Institute of Forest Science (NIFoS) (2018–current)—i-Tree development in South Korea

Minji Kim, Korean Forest Service (2019–2020)—Korean translations and i-Tree analyses in South Korea

Luca Rossi, University of Study of Perugia, Italy (2019–2020)—Italian translations

Amelia Lesniak, SUNY-ESF (2020)—i-Tree database support