

## Alyssa Rosemartin

### EXPERIENCE

#### Partner and Application Specialist

August 2015 - present

USA National Phenology Network, University of Arizona, Tucson, AZ

- Built partnerships with federal land management agencies and indigenous communities. Led co-production of phenology data products and tools with managers and researchers. Gave 20 presentations and 10 media interviews to diverse audiences on phenology and climate change, requiring a strong understanding climate science and impacts. Reviewed literature, accessed databases, analyzed data and led publications on phenological response to climate change.

#### Adjunct Faculty

January - May 2018

Salem State University, Salem, MA

- Taught Geography 115: Global Climate Change

#### Assistant Director

July 2010 - July 2015

USA National Phenology Network, University of Arizona, Tucson, AZ

- Led the University side of USA-NPN cooperative agreement with USGS. Developed a high-functioning National Coordinating Office staff of 12, and worked effectively with the founding board of academic researchers and other partners. Led and contributed to publications and grant proposals, including 6 funded proposals totaling \$4.7 million; managed an annual budget of \$700,000. Gave over 30 presentations and workshops with public, agency and academic audiences on phenology, climate change, data management and citizen science. Additionally, managed the development of the USA-NPN information architecture until February of 2014.

#### IT Coordinator

April 2009 - July 2010

USA National Phenology Network, University of Arizona, Tucson, AZ

- Coordinated the development of the USA-NPN's federally-compliant information architecture, including support for a highly successful, national plant and animal monitoring program, *Nature's Notebook*.

#### Research Associate

August 2006 - July 2009

CEDO Intercultural, Puerto Peñasco, Mexico and Tucson, AZ

- Contributed to collaborative climate change research and education efforts in Northern Mexico, working with diverse partners to establish conservation designations for coastal wetlands.

**Field Education Intern**

**August 2005 - July 2006**

CEDO Intercultural, Puerto Peñasco, Mexico and Tucson, AZ

- Conducted field research on climate change impacts; led field experiences for all-age groups.

**Assistant Coordinator**

**March 2004 - July 2005**

Brooklyn Center for the Urban Environment, Brooklyn, NY

- Developed a successful family literacy after-school program, with a focus on English as a Second Language and environmental education.

**Environment Promoter**

**September 2000 - December 2002**

Peace Corps, Nicaragua

- Developed and implemented environmental education programs, including reforestation and garden projects, in four rural primary schools. Facilitated grant-writing and project management for the creation of a public library.

**EDUCATION**

**University of Arizona**

**2006-2008**

- MS in Wildlife Conservation and Management from the School of Natural Resources and the Environment

**Smith College**

**1996-2000**

- BA in Latin American Literature
- Minor in Environmental Science (50 credit hours)

**SELECTED PUBLICATIONS**

1. **Rosemartin, A.**, Denny, E.G., Gerst, K.L., Marsh, R.L., Posthumus, E.E., Crimmins, T.M., and Weltzin, J.F. (2018) USA National Phenology Network Observational Data Documentation: U.S. Geological Survey Open-File Report 2018-1060, <https://doi.org/10.3133/ofr20181060>
2. **Rosemartin, A.**, Langseth, M.L., Crimmins, T.M., and Weltzin, J.F. (2018) Development and release of phonological data products: A case study in compliance with federal open data policy: U.S. Geological Survey Open-File Report 2018-1007, <https://doi.org/10.3133/ofr20181007>
3. Crimmins, T. M., Crimmins, M. A., Gerst, K. L., **Rosemartin, A. H.**, & Weltzin, J. F. (2017). USA National Phenology Network's volunteer-contributed observations yield predictive models of phenological transitions. *PloS one*, 12(8), e0182919.
4. Monahan, W.B., **Rosemartin, A.**, Gerst, K., Fisichelli, N., Gross, J.G., Ault, T., Schwartz, M.D. and Weltzin J. (2016) Climate change is advancing spring onset across the US national park system. *Ecosphere*. <https://doi.org/10.1002/ecs2.1465>
5. Chandler, M., Se, L., Copas, K., Bond, A.M., Claramunt, B., Danielsen, F., Legind, J.K., Masinde, S., Miller Rushing, A., Newman, G., **Rosemartin, A.**, and Turak, E. (2016). Contribution of citizen science towards international biodiversity monitoring. *Biological Conservation*. <https://doi.org/10.1016/j.biocon.2016.09.004>

6. **Rosemartin, A.**, Denny, E.G., Weltzin, J.F., Wilson, B., Mehdipoor, H., Zurita-Milla, R., and Schwartz, M.D. (2015) A Phenological Legacy: Leafing and flowering data for lilacs and honeysuckles 1956-2014. Nature Scientific Data. <https://doi.org/10.1038/sdata.2015.38>
7. Morzaria-Luna, H. N., Turk-Boyer, P., **Rosemartin, A.**, & Camacho-Ibar, V. F. (2014). Vulnerability to climate change of hypersaline salt marshes in the Northern Gulf of California. Ocean & Coastal Management. <https://doi.org/10.1016/j.ocecoaman.2014.03.004>
8. **Rosemartin, A.H.**, Crimmins, T.M., Enquist, C.A., Gerst, K.L., Kellermann, J.L., Posthumus, E.E., Denny, E., Guertin, P., Marsh, L., & Weltzin, J.F. (2014). Organizing phenological data resources to inform natural resource conservation. Biological Conservation. <https://doi.org/10.1016/j.biocon.2013.07.003>

## **AWARDS**

*All awarded to USA National Phenology Network team.*

**Climate Adaptation Leadership Award**, 2018, National Fish Wildlife and Plants Climate Adaptation Strategy

**Outstanding Achievement Award**, 2017, Renewable Natural Resources Foundation

**Environmental Achievement Award - Climate Champion**, 2016, US Geological Survey

**Healthy Workplace Award**, 2015, American Psychological Society

**Shoemaker Award**, 2014, Communication Product, Web, US Geological Survey

## **VOLUNTEER AND BOARD EXPERIENCE**

**Facilitator**, Zen Center North Shore, Social Justice Discussion Group, Beverly, MA, 2017-18

**President**, Salem Community Gardens, Salem, MA, 2017-present

**Volunteer Lead**, Catholic Charities, Immigrant Support Program, Tucson, AZ, 2014-15

**Board Secretary**, Grassroots Literacy Coalition, New York, NY, 2004

## **LANGUAGES**

**Spanish** – Fluent (written and oral)

**French** – Limited Proficiency (written and oral)