CITY NATURE CHALLENGE 2019 - HALIFAX

Environment and Sustainability Standing Committee, HRM Council - March 7 2019

TALK OUTLINE (10 minutes)

- Three stories:
 - Marketing Science
 - The Rise of Citizen Scientists & iNaturalist
 - #CityNatureChallenge

Dave Ireland
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Managing Director, Natural History

• new position - to connect biodiversity, and the curators/scientists who study it, to the public through programs, exhibitions, galleries and community projects (2011-2018)































To protect biodiversity, we need to know more about it. Academy scientists travel the globe in their efforts to learn more, but they can't be everywhere—we need your help!

Citizen scientists' collective observations of plants and animals, wherever they're found, are beginning to creating an important global record: what biodiversity is found where, how healthy populations are, and what's changing in the environment. By crowd-sourcing this kind of data collection and analysis, the citizen science movement helps science to answer some of the biggest questions we face today.



Academy Projects

Learn more about our Bay Area projects, biodiversity surveys, and grassroots bioblitzes-what we've found, why we're looking, and how to get involved.

Go local (9)



Share This



Documenting Biodiversity Blog

Keep up with our day-to-day efforts by following the Document Biodiversity blog, maintained by members of the Academy's Citizen Science department.

Follow along ⊕

Citizen Science Contact

Have questions about our citizen science programs? Want to get involved? Please feel free to email us at citizenscience@calacademy.org.

Visit the Naturalist Center

Located on Level 3, the Naturalist Center is the Academy's home of interactive learning. Touch specimens, ask questions, or join one of our daily programs, all free with admission.

Become a naturalist (9)





































HERE'S WHAT CANADA'S "NATURE SELFIE" LOOKS LIKE!

- 9,935 people took part in the
 35 BioBlitz Canada 150 events
- 39,759 observations were recorded on iNaturalist.ca
- 556 observations of species at risk
- 7,510 species were catalogued including:

370 species of birds

151 species of fish

99 species of mammals

2,629 species of insects

604 species of fungi and lichens

You can BioBlitz year-round using the iNaturalist Canada app. Download for

free today.









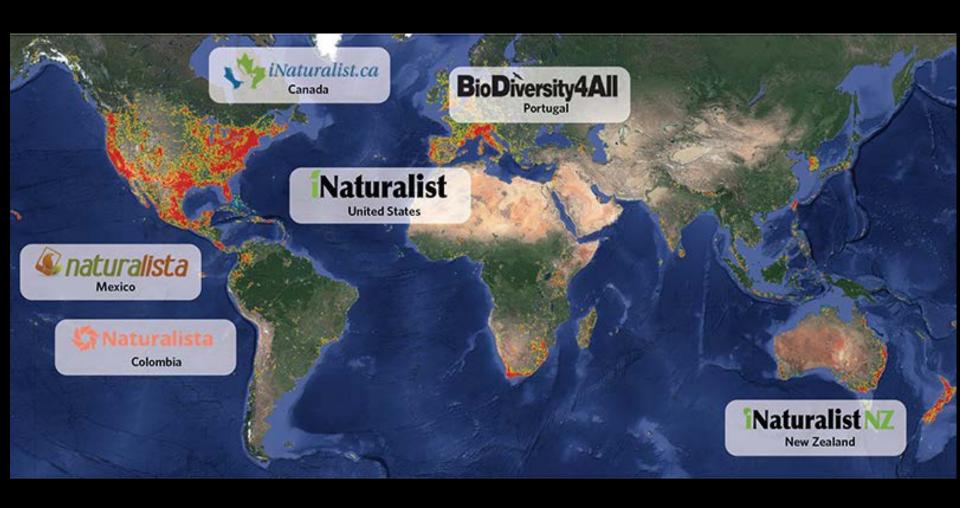


Record your observations

Share with fellow naturalists

Discuss your findings





iNat Photos Used to Study Correlation Between Dragonfly Wing Coloration and Temperature



CITY NATURE CHALLENGE 2019 - HALIFAX

EAC WILDERNESS COMMITTEE - January 17 2019

TALK OUTLINE (~10 minutes)

- Three stories:
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City
Nature
Challenge
2019
April 26-29





CITY NATURE CHALLENGE IS ORGANIZED BY



CALIFORNIA ACADEMY OF SCIENCES NATURAL HISTORY MUSEUM LOS ANGELES COUNTY City
Nature
Challenge
2019
April 26-29



- April 26 29 : Observing Nature
- April 30 May 5: Identifying observed species
- 2018 Champion: San Francisco
 - 41,737 observations
 - 1532 Participants
 - 3211 species identified

2019 Participating Cities

See full list of 2019 participating Cities and Collaborating Organizations

* 3 Canadian Cities currently: Calgary, Halifax, & Richmond



Naturalists wanted!

- o birds
- o mammals
- o reptiles and amphibians
- o fish
- Insects and arachnidsFurther split into 6x sub-groups
- o invertebrates (non-insect)
- o fungi
- o mosses
- o plants
- o lichens







iNaturalist @inaturalist · Feb 18

V

Happy #MarineMonday! Today's Observation of the Day is this Sea Raven #sculpin, seen in #Canada by sempleimages!

More details at: inaturalist.org/observations/2... #OOTD #ichthyology #fish #marinebiology #citizenscience #nature #naturephotography #diving #iNat #animals #wildlife













Nova Scotia - Parks Canada @ParksCanada NS

Following

#WildlifeWednesday @ParksCanada recently partnered with Dr. @TroyMcMullin from @MuseumofNature to complete a survey of the #KejiSeaside for rare lichens. Success! 300+ new individuals of COSEWIC listed species were found, including 12 new records of endangered Vole Ears Lichen!



- First "lichenologist" at Canadian Museum of Nature
- Studied at Dal and loves NS
- NS is a global hotspot for lichen



2016 - First peer-reviewed publication stemming from Ontario BioBlitz work!
2019 - Another one...

City Nature Challenge 2019

HOW IT WORKS:

✓ DOWNLOAD THE INATURALIST APP

APRIL 26 -29

- ✓ SNAP A PHOTO OF ANYTHING IN NATURE
- ✓ UPLOAD AND SHARE BETWEEN APRIL 26-29 BIOBEITZ!

INATURALIST WORKSHOPS:

APRIL 6, 10AM: FAIRBANKS CENTRE, DARTMOUTH



NATURAL HISTORY MUSEUM



GET OUTSIDE OBSERVE NATURE HAVE FUN!

LEARN MORE AND WIN PRIZES!

f /CityNatureChallengeHFX

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