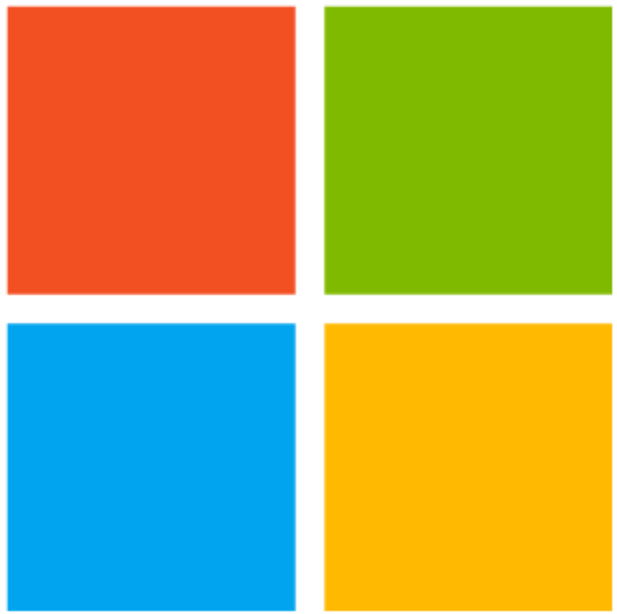
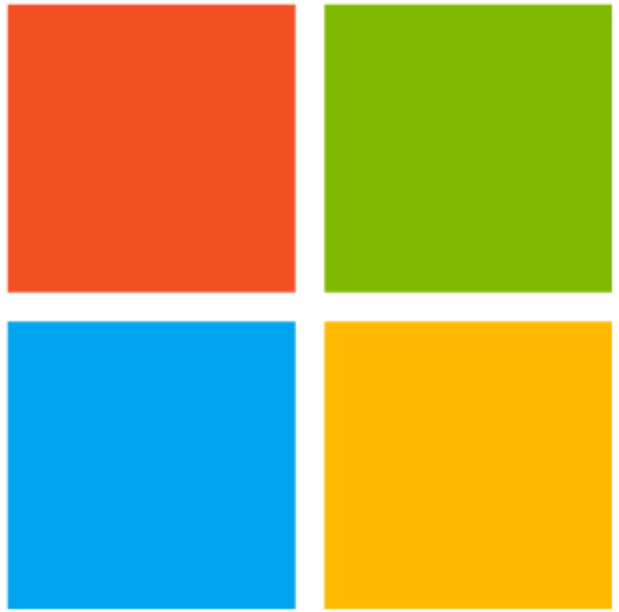
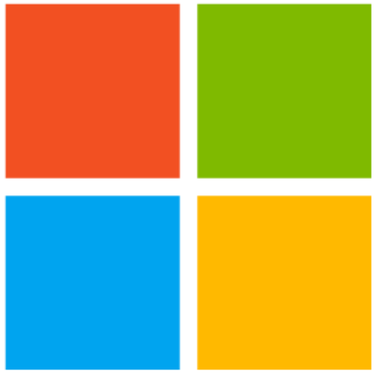
Web Tools

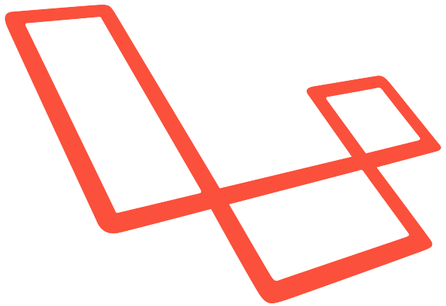
What is in your toolkit?





JAMSTACK





JAMSTACK

What's next?

I don't know.

What is the nature of the web?

HTML
5

CSS
HTML

JS
CSS
HTML

What's else?

A11Y

UX

speaking.scottgruber.me @ UC Tech Santa Barbara 2019

HTML & CSS

Flexbox, multi-column layout and CSS Grid

Microformats and semantic markup

CLIMATE CHANGE

- Richard Ambrose
- Alan Barreca
- William Boyd
- Ann Carlson
- J.R. DeShazo
- Robert Eagle
- Alex Hall
- Peter Kareiva
- Liz Koslov
- Dennis Lettenmaier
- Glen MacDonald
- Karen Aline McKinnon
- Edward Parson
- Pablo Saide
- Thomas Smith
- Aradhna Tripati
- Alex Wang

ENERGY

- William Boyd
- Yoram Cohen
- J.R. DeShazo
- Stephanie Pincetl, PhD
- Laurent Pilon

POLICY, LAW & REGULATION

- Alan Barreca
- William Boyd
- Ann Carlson
- J.R. DeShazo
- Timothy Malloy
- Paul Ong
- Edward Parson
- Stephanie Pincetl, PhD
- Alex Wang

```
<nav class="topic-nav">
<ul>
    <li><a href="#climate-change">Climate Change</a></li>
    <li><a href="#energy">Energy</a></li>
    <li><a href="#policy-law-regulation">Policy, Law &amp;amp; Regulation</a></li>
    <li><a href="#economics-corporate-sustainability">Economics &amp;amp; Corporate Sustainability</a></li>
</ul>
</nav>
```

Flexbox

```
.topic-nav ul {
    display: flex;
    flex-direction: column;
    list-style: none;
}

@media screen and (min-width: 30em) {
  .topic-nav ul {
    display: flex;
    flex-direction: row;
    flex-wrap: wrap;
  }
}
```

CLIMATE CHANGE

- Richard Ambrose
- Alan Barreca
- William Boyd
- Ann Carlson
- J.R. DeShazo
- Robert Eagle
- Alex Hall
- Peter Kareiva
- Liz Koslov
- Dennis Lettenmaier
- Glen MacDonald
- Karen Aline McKinnon
- Edward Parson
- Pablo Saide
- Thomas Smith
- Aradhna Tripati
- Alex Wang

ENERGY

- William Boyd
- Yoram Cohen
- J.R. DeShazo
- Stephanie Pincetl, PhD
- Laurent Pilon

POLICY, LAW & REGULATION

- Alan Barreca
- William Boyd
- Ann Carlson
- J.R. DeShazo
- Timothy Malloy
- Paul Ong
- Edward Parson
- Stephanie Pincetl, PhD
- Alex Wang

```
<h2><a id="climate-change"></a>Climate Change</h2>

<div class="faculty-advisors-list">

<ul>
  <li><a href="#">Alan Barreca</a></li>
  <li><a href="#">Alex Hall</a></li>
  <li><a href="#">Peter Kareiva</a></li>
  <li><a href="#">Liz Koslov</a></li>
</ul>

</div>
```

Multi-Column

```
@media screen and (min-width: 30em) {
  .faculty-advisors-list > ul {
    column-count: 3;
    column-gap: 1em;
  }
}

@media screen and (min-width: 60em) {
  .faculty-advisors-list > ul {
    column-count: 5;
    column-gap: 1em;
  }
}
```

Climate Change

Alan Barreca
Associate Professor, Center for Diverse Leadership in Science Faculty Fellow

Institute of the Environment and Sustainability

Magali Delmas
Professor of Management

Institute of the Environment and Sustainability, Anderson School of Management

Alex Hall
Professor

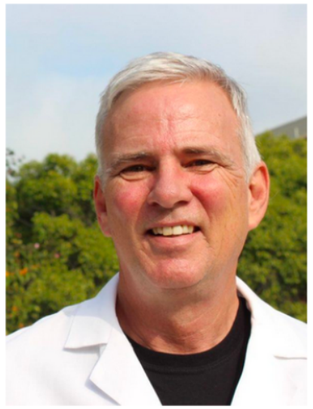
Department of Atmospheric and Oceanic Sciences

Peter Kareiva
Institute Director and Pritzker Distinguished Professor in Environment & Sustainability

Institute of the Environment and Sustainability

Liz Koslov
Assistant Professor

Department of Urban Planning, Institute of the Environment and Sustainability

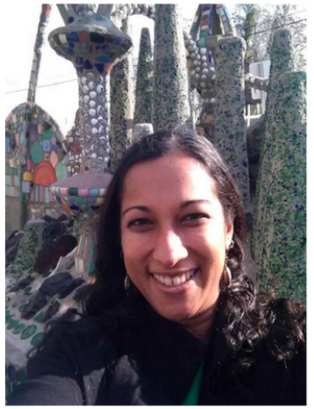


Glen MacDonald
WMRC Director, WRG Faculty Director, John Muir Memorial Chair in Geography, and Distinguished Professor

Department of Geography, Department of Ecology

Karen Aline McKinnon
Assistant Professor

Institute of the Environment and Sustainability, Department of Statistics



Aradhna Tripati
Associate Professor, Center for Diverse Leadership in Science Director & P.I.

IoES, Atmospheric and Oceanic Sciences, Earth, Planetary, and Space Sciences

Microformats and HTML5

```
<div class="ucla-l-people-grid">

<article class="h-card">
  <a class="u-url" href="#">
    <h2 class="fn p-name">Jane Kitty Doe</h2>
    <img class="u-photo" src="https://placekitten.com/300/400" alt="kitten photo" />
    <p class="p-job-title">Assistant Professor</p>
    <small class="p-org">Institute of the Environment and Sustainability</small>
  </a>
</article>

<article class="h-card">
    ...
</article>
</div>
```

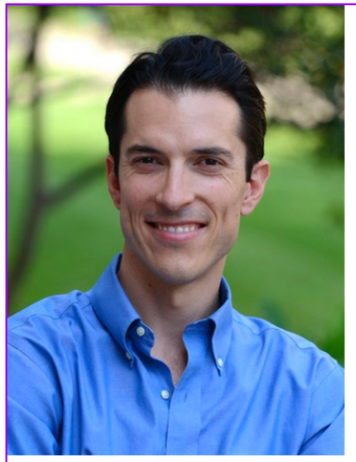
```
<div class="ucla-l-people-grid">

<article class="h-card">
  <a class="u-url" href="#">
    <figure>
      <img class="u-photo" src="https://placekitten.com/300/400" alt="kitten photo" />
      <figcaption>
        <h2 class="fn p-name">Kitty Doe</h2>
        <p class="p-job-title">Assistant Professor</p>
        <small class="p-org">Institute of the Environment and Sustainability</small>
      </figcaption>
    </figure>
  </a>
  </article>

</div>
```

CSS Grid

itute of the Environment and Sustain... Customize New Edit Page 1.05s 82,026kB 0.1819s 189Q Insights WP Rocket What The File Howdy, Scott Gruber



Alan Barreca

Associate Professor, Center for Diverse Leadership in Science Faculty Fellow

Institute of the Environment and Sustainability

Magali Delmas

Professor of Management

Institute of the Environment and Sustainability, Anderson School of Management

Alex Hall

Professor

Department of Atmospheric and Oceanic Sciences

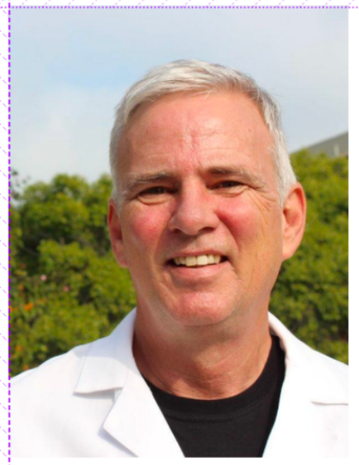
Peter Kareiva

Institute Director and Pritzker Distinguished Professor in Environment & Sustainability

Institute of the Environment and Sustainability

Liz Koslov

Assistant Professor

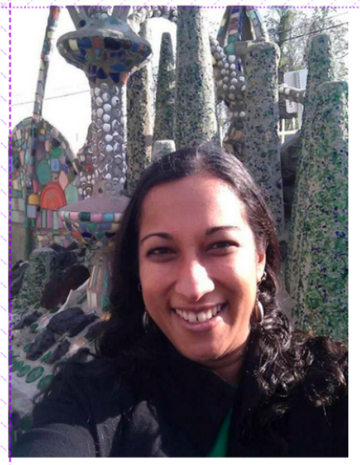


Glen MacDonald

WMRC Director, WRG Faculty Director, John Muir Memorial Chair in Geography, and

Karen Aline McKinnon

Assistant Professor



Aradhna Tripati

Associate Professor, Center for Diverse Leadership in Science Director & PI

CLIMATE CHANGE | ENERGY | POLICY, LAW & REGULATION

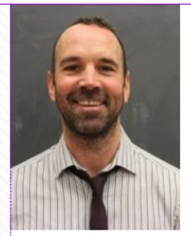
Climate Change

Alan Barreca
Associate Professor, Center for Diverse Leadership in Science Faculty Fellow

Institute of the Environment and Sustainability

Magali Delmas
Professor of Management

Institute of the Environment and Sustainability, Anderson School of Management



Alex Hall
Professor

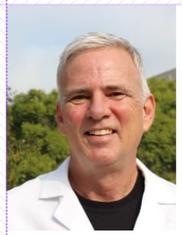
Department of Atmospheric and Oceanic Sciences

Peter Kareiva
Institute Director and Pritzker Distinguished Professor in Environment & Sustainability

Institute of the Environment and Sustainability

Liz Koslov
Assistant Professor

Department of Urban Planning, Institute of the Environment and Sustainability

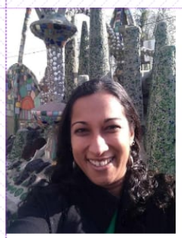


Glen MacDonald
WMRC Director, WRG Faculty Director, John Muir Memorial Chair in Geography, and Distinguished Professor

Department of Geography, Department of Ecology and Evolutionary Biology

Karen Aline McKinnon
Assistant Professor

Institute of the Environment and Sustainability, Department of Statistics



Aradhna Tripati
Associate Professor, Center for Diverse Leadership in Science Director & P.I.

IoES, Atmospheric and Oceanic Sciences, Earth, Planetary, and Space Sciences

Yifang Zhu
Center for Clean Air Associate Director and Professor

Department of Environmental Health Sciences

CLIMATE CHANGE | ENERGY | POLICY, LAW & REGULATION

Climate Change

Alan Barreca

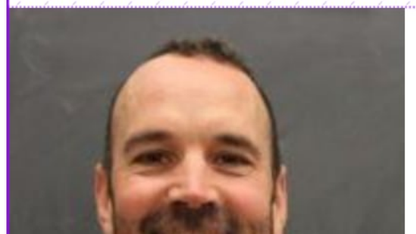
Associate Professor, Center for Diverse Leadership in Science Faculty Fellow

Institute of the Environment and Sustainability

Magali Delmas

Professor of Management

Institute of the Environment and Sustainability, Anderson School of Management



CLIMATE CHANGE

ENERGY

POLICY, LAW & REGULATION

Climate Change

1 2

1

Alan Barreca

Associate Professor, Center for Diverse Leadership in Science Faculty Fellow

Institute of the Environment and Sustainability

2

Magali Delmas

RWD

speaking.scottgruber.me @ UC Tech Santa Barbara 2019

```
.ucla-l-people-grid {
  display: grid;
  grid-gap: 2vw;
  grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));
  grid-template-rows: auto;
}
```

```
/* fall back if no grid support */
.ucla-l-people-grid > article {
    display: inline-block;
    margin: 1em;
    vertical-align: top;
    width: 300px;
}

.ucla-l-people-grid > img {
    height: auto;
    width: 200px;
}
```

```
@supports (display: grid) {

    .ucla-l-people-grid {
        display: grid;
        grid-gap: 2vw;
        grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));
        grid-template-rows: auto;
    }

    /* reset properties */
    .ucla-l-people-grid > article {
        margin: initial;
        width: initial;
    }
}
```

Thank you.