

# Web Tools

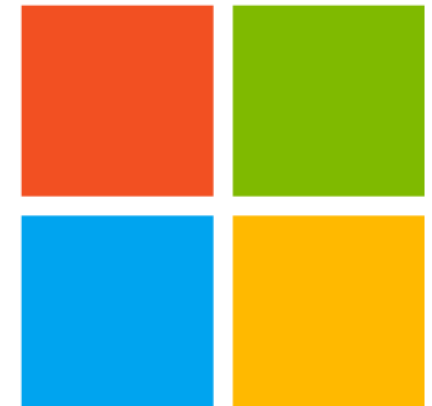


# **What is in your toolkit?**



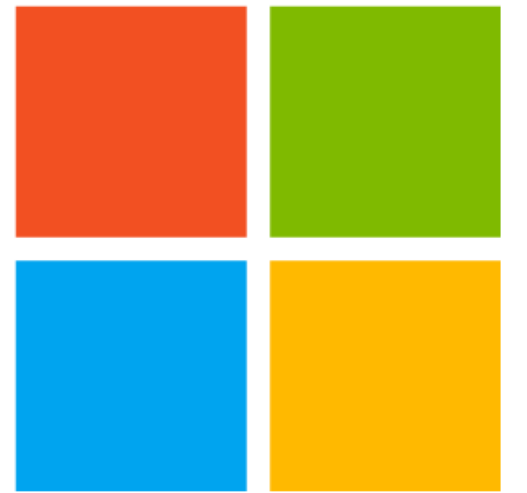


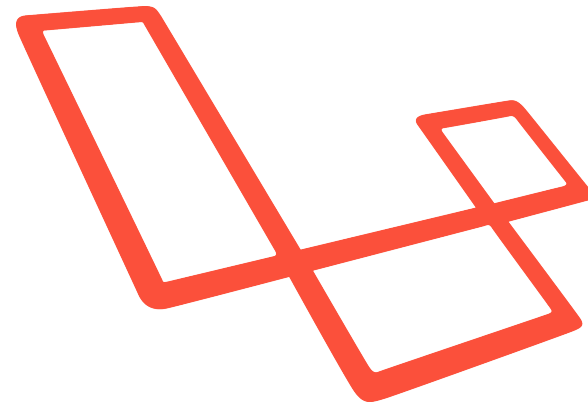






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# What is the nature of the web?

# HTML









# What's else?



ANY

UX

# Design Systems

# HTML & CSS

**Flexbox, multi-column layout and CSS Grid**

**Microformats and semantic markup**



CLIMATE CHANGE

ENERGY

POLICY, LAW & REGULATION

ECONOMICS & CORPORATE SUSTAINABILITY

ENGINEERING & TECHNOLOGY

ENVIRONMENTAL JUSTICE

ENVIRONMENTAL HUMANITIES

URBAN SYSTEMS

MARINE & COASTAL SYSTEMS

CONSERVATION & NATURAL RESOURCES

ENVIRONMENTAL HEALTH

AIR QUALITY

WATER QUALITY & SUPPLY

FOOD SYSTEMS

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- [Alan Barreca](#)
- [William Boyd](#)
- [Ann Carlson](#)
- [J.R. DeShazo](#)
- [Robert Eagle](#)

- [Alex Hall](#)
- [Peter Kareiva](#)
- [Liz Koslov](#)
- [Dennis Lettenmaier](#)
- [Glen MacDonald](#)
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```
<nav class="ucla-c-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 & Regulation</a></li>
  <li><a href="#economics-corporate-sustainability">Economics & Corporate Sustainability</a></li>
</ul>
</nav>
```



# Flexbox

```
.ucla-c-topic-nav ul {  
    display: flex;  
    flex-direction: column;  
    list-style: none;  
}  
  
@media screen and (min-width: 30em) {  
    .ucla-c-topic-nav ul {  
        display: flex;  
        flex-direction: row;  
        flex-wrap: wrap;  
    }  
}
```





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

```
<div class="ucla-c-faculty-advisors">
```

```
<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) {  
  .ucla-c-faculty-advisors > ul {  
    column-count: 3;  
    column-gap: 1em;  
  }  
}
```

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

## Climate Change



**Alan Barreca**

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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

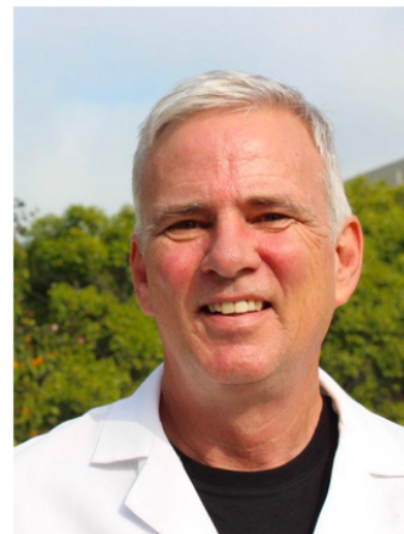
Institute of the Environment and Sustainability



**Liz Koslov**

Assistant Professor

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**Glen MacDonald**

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

Department of Geography, Department of Ecology



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**Aradhna Tripathi**

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

# Microformats and HTML5



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

<article class="h-card">
  <a class="u-url" href="#">
    <h2 class="fn p-name">Jane Kitty Doe</h2>
    
    <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-c-people-grid">

<article class="h-card">
  <a class="u-url" href="#">
    <figure>
      
      <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

1

2

3

4

5

-1



**Alan Barreca**  
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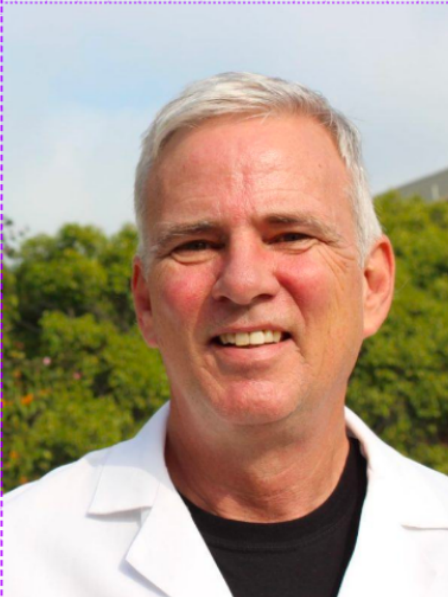
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Professor in Environment & Sustainability  
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Muir Memorial Chair in Geography, and



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Assistant Professor



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



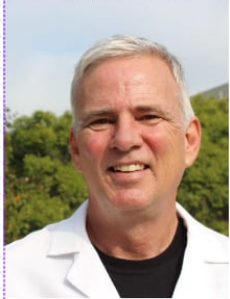


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## Climate Change

|                                                                                                                                                                    |                                                                                                                                                                                          |                                                                                                                                                                                                             |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1                                                                                                                                                                  | 2                                                                                                                                                                                        | 3                                                                                                                                                                                                           | 4  |
| 1                                                                                                                                                                  |                                                                                                                                                                                          |                                                                                                                                                                                                             | -1 |
|                                                                                 |                                                                                                       |                                                                                                                          |    |
| <b>Alan Barreca</b><br>Associate Professor, Center for Diverse Leadership in Science Faculty Fellow<br>Institute of the Environment and Sustainability             | <b>Magali Delmas</b><br>Professor of Management<br>Institute of the Environment and Sustainability, Anderson School of Management                                                        | <b>Alex Hall</b><br>Professor<br>Department of Atmospheric and Oceanic Sciences                                                                                                                             |    |
| 2                                                                                                                                                                  |                                                                                                                                                                                          |                                                                                                                                                                                                             |    |
|                                                                                |                                                                                                      |                                                                                                                         |    |
| <b>Peter Kareiva</b><br>Institute Director and Pritzker Distinguished Professor in Environment & Sustainability<br>Institute of the Environment and Sustainability | <b>Liz Koslov</b><br>Assistant Professor<br>Department of Urban Planning, Institute of the Environment and Sustainability                                                                | <b>Glen MacDonald</b><br>WMRC Director, WRG Faculty Director, John Muir Memorial Chair in Geography, and Distinguished Professor<br>Department of Geography, Department of Ecology and Evolutionary Biology |    |
| 3                                                                                                                                                                  |                                                                                                                                                                                          |                                                                                                                                                                                                             |    |
|                                                                               |                                                                                                     |                                                                                                                        |    |
| <b>Karen Aline McKinnon</b><br>Assistant Professor<br>Institute of the Environment and Sustainability, Department of Statistics                                    | <b>Aradhna Tripathi</b><br>Associate Professor, Center for Diverse Leadership in Science Director & P.I.<br>IoES, Atmospheric and Oceanic Sciences, Earth, Planetary, and Space Sciences | <b>Yifang Zhu</b><br>Center for Clean Air Associate Director and Professor<br>Department of Environmental Health Sciences                                                                                   |    |
| 4                                                                                                                                                                  | -3                                                                                                                                                                                       | -2                                                                                                                                                                                                          | -1 |
| -4                                                                                                                                                                 |                                                                                                                                                                                          |                                                                                                                                                                                                             |    |

# Climate Change



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1

1



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2



Magali Delmas

# RWD



```
.ucla-c-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-c-people-grid > article {  
    display: inline-block;  
    margin: 1em;  
    vertical-align: top;  
    width: 300px;  
}  
  
.ucla-c-people-grid > img {  
    height: auto;  
    width: 200px;  
}
```



```
@supports (display: grid) {  
  
  .ucla-c-people-grid {  
    display: grid;  
    grid-gap: 2vw;  
    grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));  
    grid-template-rows: auto;  
  }  
  
  /* reset properties */  
  .ucla-c-people-grid > article {  
    margin: initial;  
    width: initial;  
  }  
}
```

# What's next?



# Art Direction for the Web.

Thank you.