

Open, Inclusive Design

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What is accessibility?

Rethinking Disability



Rethinking Disability



Rethinking Disability

A **mismatch** between the
user
and the
user interface

Disability is a usability issue

```
C:\>DIR A:
```

```
Not ready reading drive A  
Abort, Retry, Fail?_
```




Disability is contextual

Designing for Context

The desktop version of the Amazon.com website features a complex layout. At the top, it includes the Amazon logo, a personalized greeting for 'Colin Clark', and navigation links for 'Today's Deals', 'Gifts & Wish Lists', and 'Gift Cards'. A search bar is prominently displayed with a 'GO' button. Below the search bar, there are several promotional banners: one for 'New Cameras from Canon', a large 'Kindle' advertisement titled 'The #1 Bestseller on Amazon' with pricing information, and an advertisement for 'endless style for miles' featuring a woman in a red dress. A 'Shop Fossil Gifts for Men' section is visible at the bottom left, showcasing watches, sunglasses, and wallets. The right side of the page contains a 'TurboTax' advertisement and a 'Shop All Departments' link.

The mobile version of the Amazon.com website is designed for a smaller screen. It features a clean, minimalist layout with a white background and blue accents. The top navigation bar includes the Amazon logo, a search bar, and a 'GO' button. Below the search bar, there is a prominent advertisement for the 'Amazon App for iPhone'. The main content area features a 'Kindle #1 Bestselling Product on Amazon' advertisement with a 'Learn More' link. At the bottom, there is a 'Shop All Departments' section with dropdown menus for 'Books' and 'Movies, Music & Games'. The mobile interface also includes a status bar at the top showing carrier information, signal strength, Wi-Fi, and battery level, and a bottom navigation bar with standard mobile navigation icons.

Disability is environmental



Accessibility is...

the **ability of the system**
to **accommodate the needs of the user**

Accessibility is...



Accessibility is...



Something we all benefit from.

“I can’t even imagine what a better UI for me would look like, because I’ve spent the past 13 years of my life adapting to the computer.”

- Johnny Taylor, unboundedexistence.com

Make yourself at home...



Personalization...

- **User interfaces** that can adapt to the needs, preferences, tastes of users—feel at home
- **Content** that can be delivered in a form that people can understand and use




inclusive design institute


 home

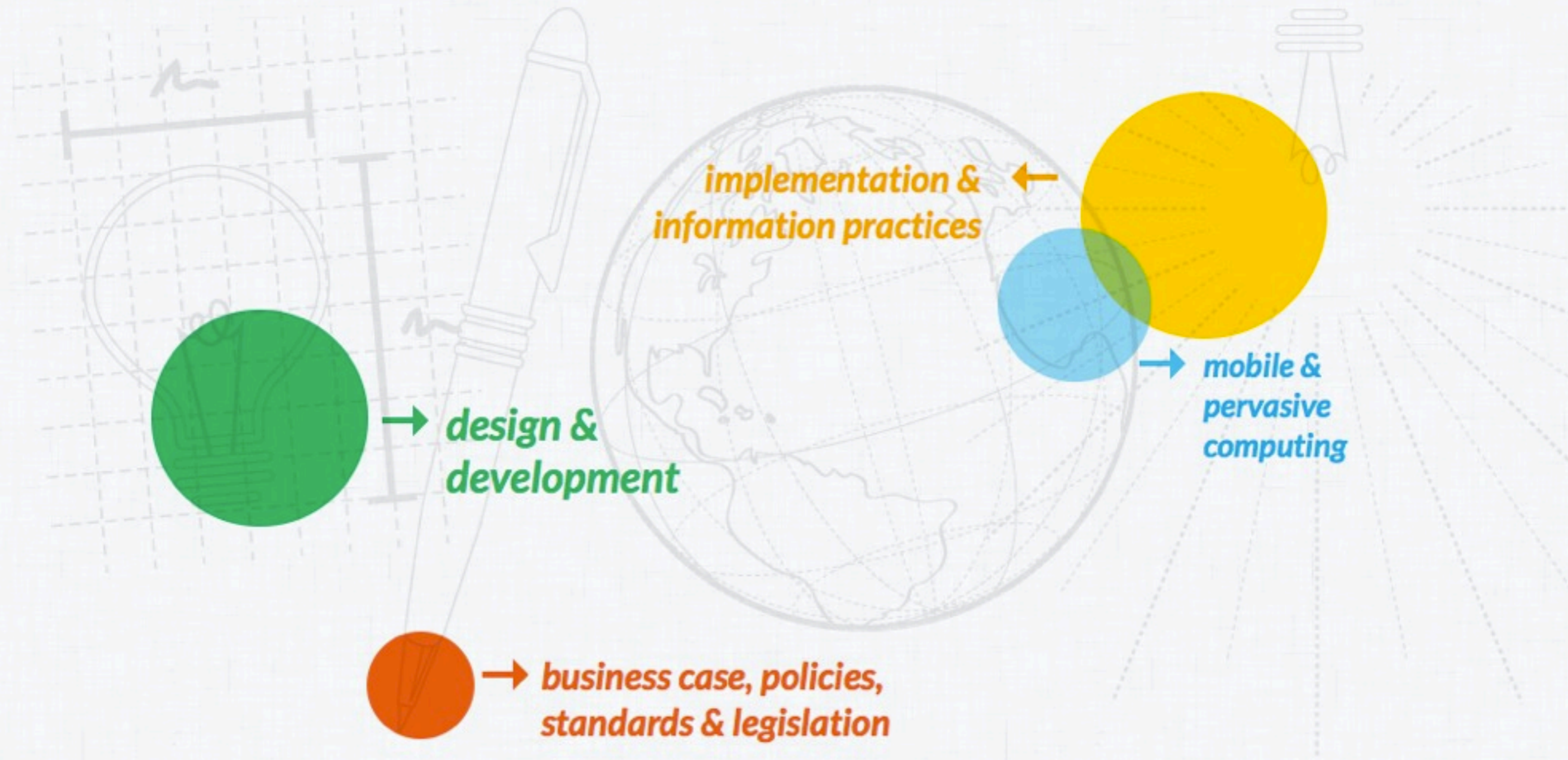
 about

 people

 news

 research

 infrastructure



Inclusive Design

- Making **emerging** technology accessible
- **Tools** and resources for makers
- Policy, standards, and **guidance**
- Everything is **open source** and open access
- **Education**: Masters of Inclusive Design

fluid*



fluid*engage




«opencast»



collectionspace

Floe: Open Learning on the Web

A TEXT AND DISPLAY **L** LAYOUT AND NAVIGATION **L** LINKS AND BUTTONS **A** AUDIO + VIDEO **R** RESET ALL


DEFAULT VOLUME 

SHOW CAPTIONS WHENEVER POSSIBLE
Captions show only the text that is currently being spoken

SHOW TRANSCRIPTS WHENEVER POSSIBLE
Transcripts show the whole text, and highlight the portion being spoken

USE PREFERRED LANGUAGE
Captions and transcripts will default to this language if available

French ▾



Captions ON
Deutsch

Fusce ac lectus quam.

0:30/5:00

display

Deutsch Transcript

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi ut dui eu dui imperdiet fringilla. **Fusce ac lectus quam.**

Donec scelerisque diam a dui venenatis id pulvinar quam imperdiet. Ut eleifend, quam eget gravida rhoncus, nibh quam dapibus arcu, sed tristique justo ante vitae purus. [Leo fermentum urna](#)

Problems & Needs

The Internet is **no longer optional**, but many can't use it.

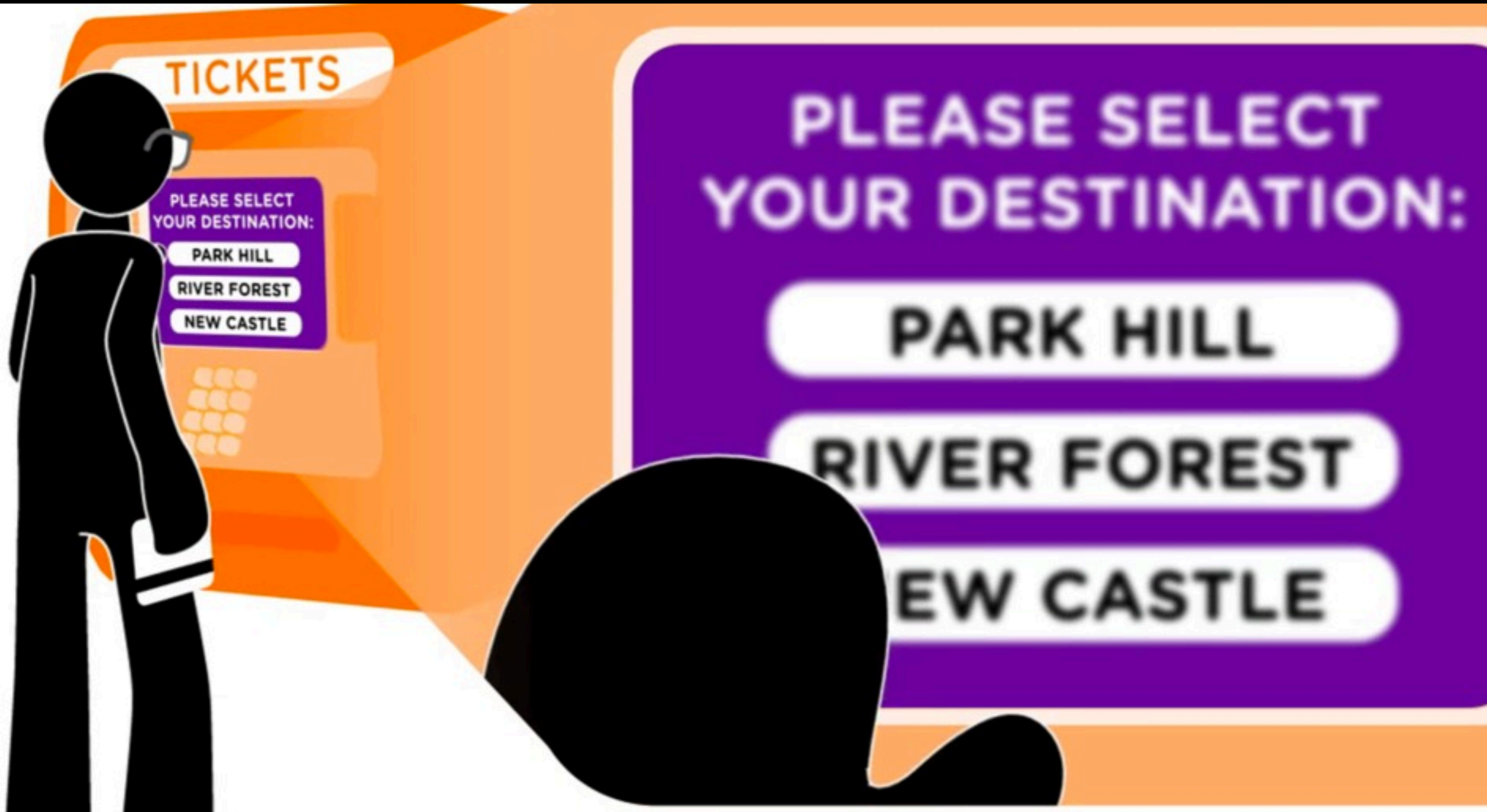
Computers are **everywhere**, but accessibility isn't.

The assistive technology market is **stagnant**.

The **cost** of assistive technology is unsustainable.

We are in a new era of **cross platform diversity**.

Envisioning the GPII



Questions?

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