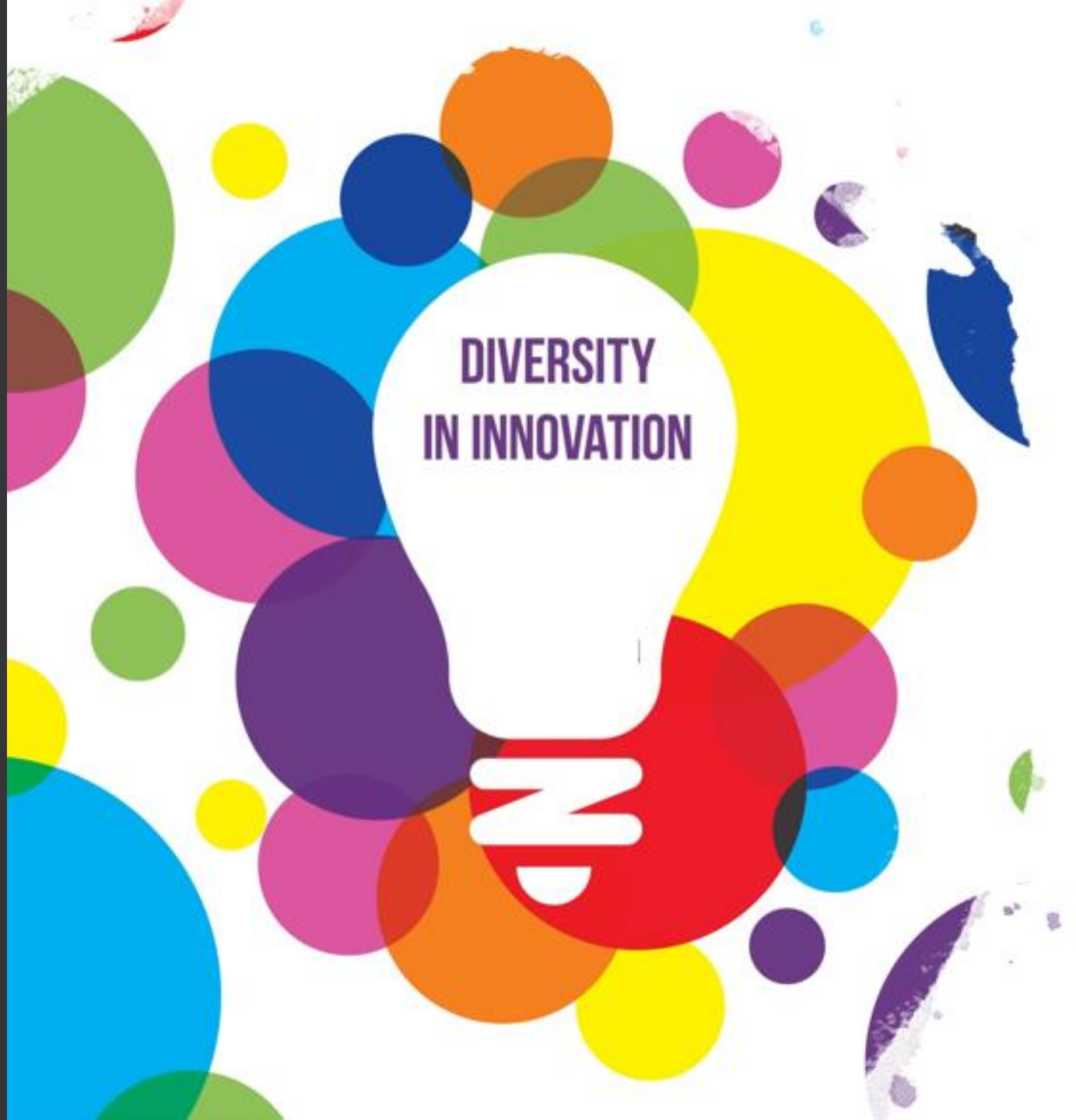


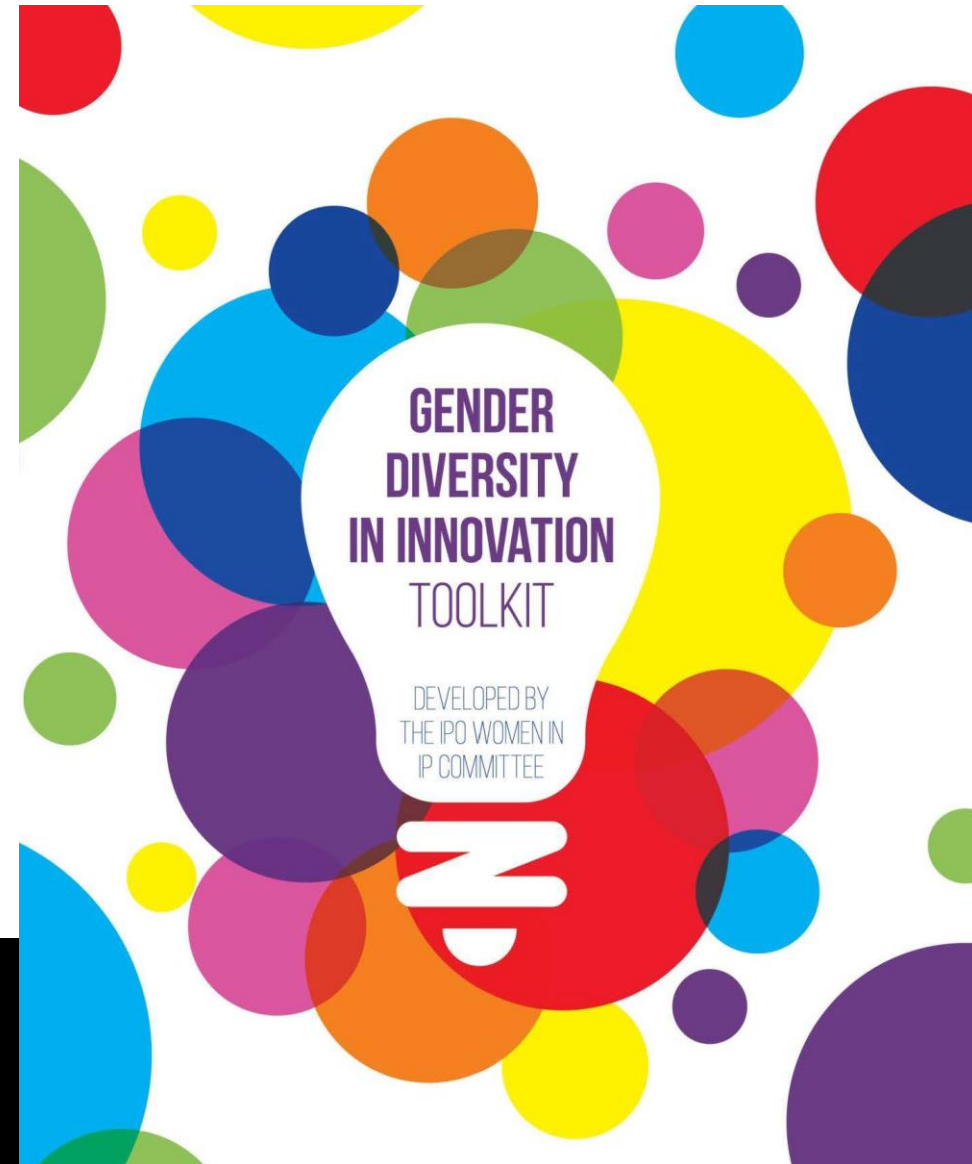
Drive awareness and
engagement to increase women
inventorship

Julie Akhter, Senior Attorney
Intellectual Property Group
Corporate, External & Legal
Affairs
Microsoft



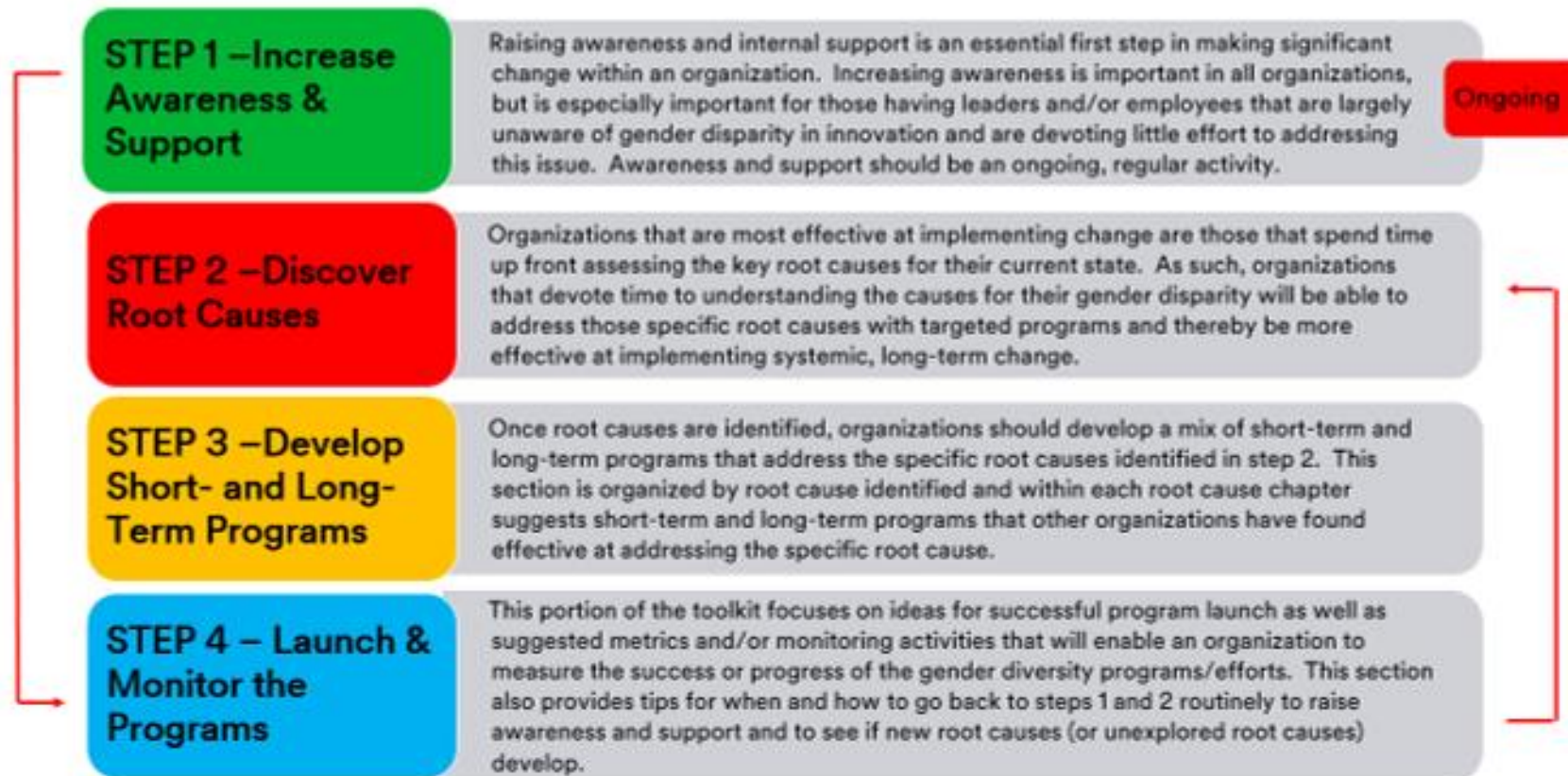
IPO Toolkit: Key Features

- Toolkit is publicly available at www.ipo.org
- A systematic approach
- Sample surveys to help discover root causes
- Discusses many of the most commonly experienced root causes
- Many successful programs to combat those root causes
- Saves time – no need to recreate the wheel



Gender Parity in Innovation 4-Part Cycle

Gender Parity in Innovation Process



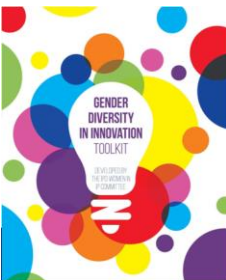
From the Sept 2019 Gender Diversity in Innovation Toolkit, developed by the IPO Women in IP Committee: <https://ipo.org/wp-content/uploads/2019/09/GenderDiversitytoolkit-final.pdf>



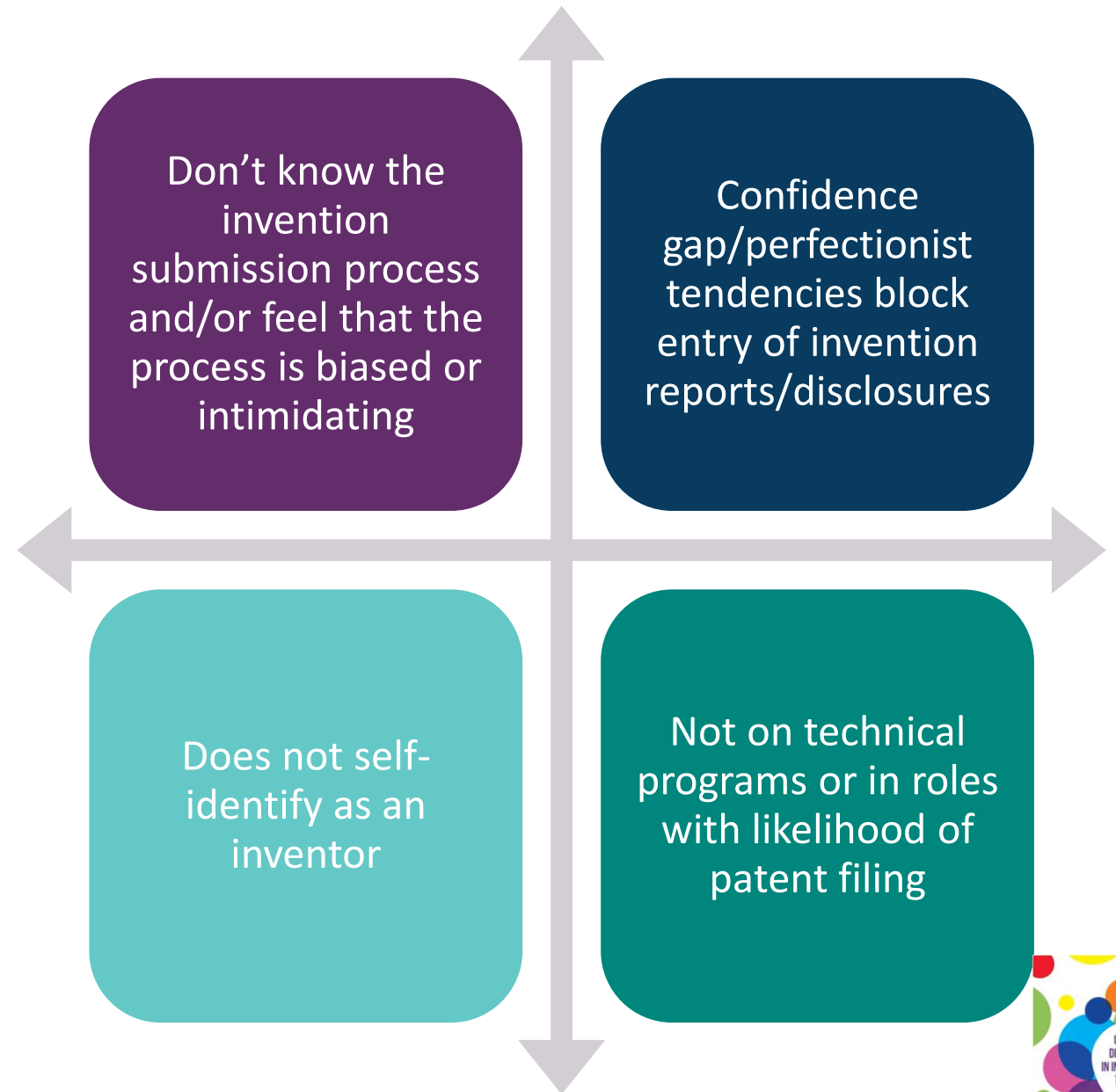
Assess your system

Evaluate your own data:

1. What percentage of your scientists/engineers are inventors?
2. What percentage are repeat inventors?
3. What percentage of your inventors are women or persons of color or LGBTQ?
4. Have some scientists/engineers fallen off the invention trajectory? Fallen silent?
 1. Reach out to those who have fallen silent
 2. Issues of silo-ism
5. Are some areas doing better than others in innovation by diverse members? Why? What are they getting right?



Some Common Reasons or Root Causes Why Female Inventors Are Not Involved in Innovation/Patents





Invention Submission Process

Ideas:

1. Is there a standard process and is that process clearly articulated, communicated and followed?
2. How are new employees made aware of the process?
3. Are there female/diverse employees on the review committee?
4. Consider having patent attorneys speaking at affinity groups to introduce the process and discuss the issue of gender disparity
5. Communicate management support for invention submissions
6. Have visible celebration or recognition of patenting
7. Have employees who are approachable (mentors) ready to field questions about the process to reduce intimidation factor
8. Host patent attorney/patent champ office hours to increase access



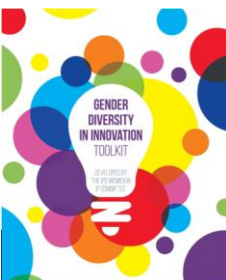


Confidence Gap and/or Perfectionist Tendencies

Do not self-
identify as an
inventor

Ideas:

1. Mentoring and coaching on invention submission process
2. Start affinity groups for diverse technical employees
3. Management training / inclusion training
4. Management discussion of importance of patenting with employees
5. Visible celebrations of patent work (banquets, newsletters, group meetings)
6. Outside Counsel partnership and engagement

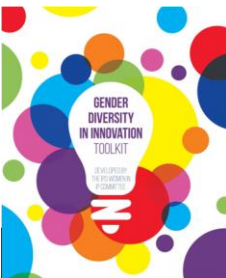




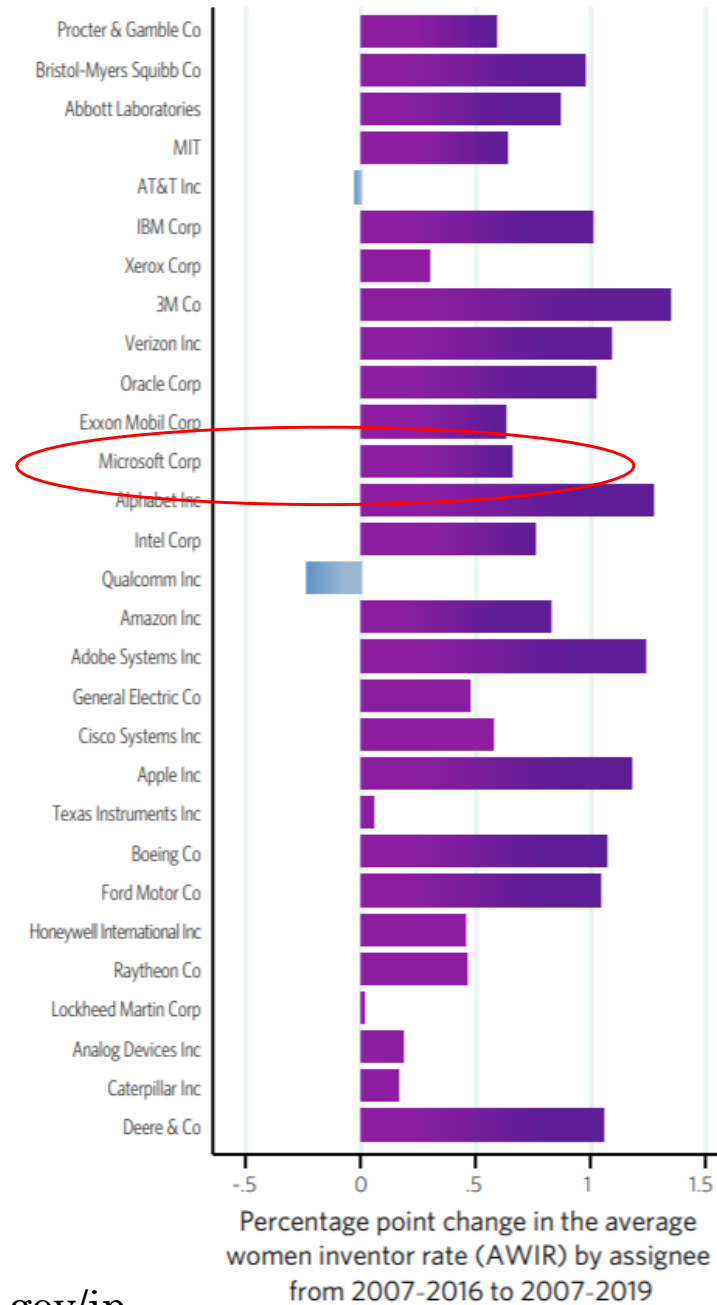
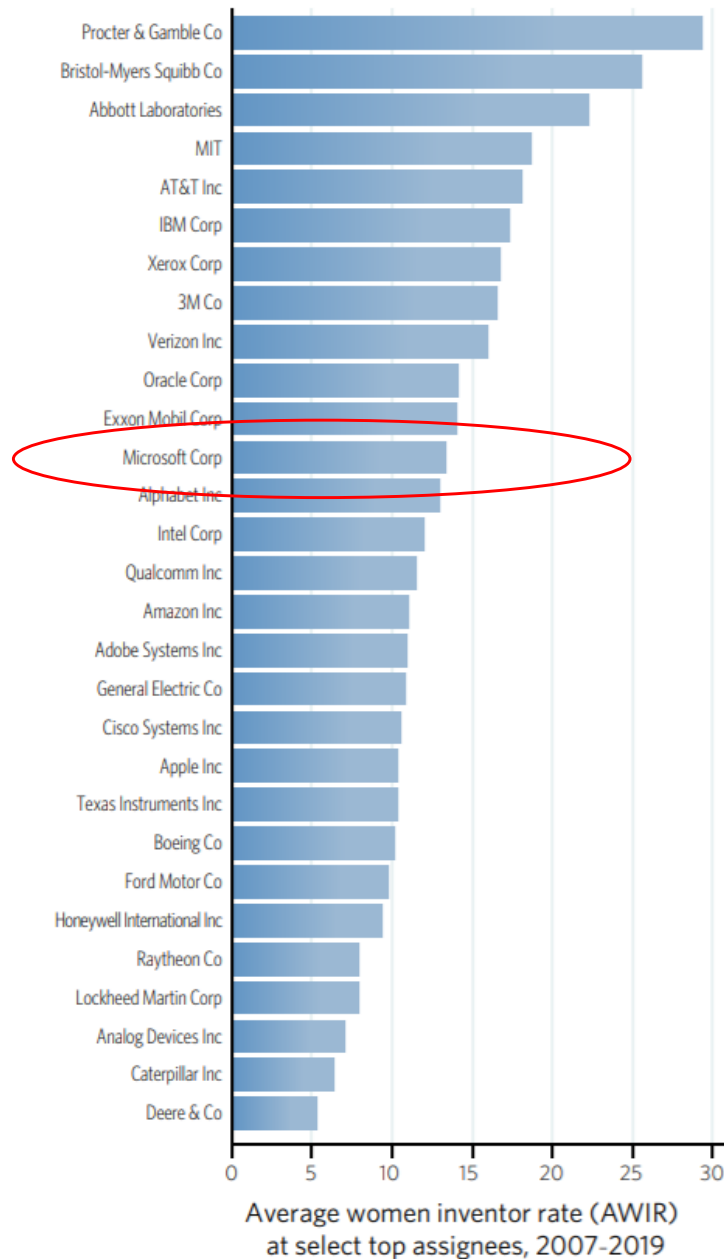
Not on Technical Programs with Likelihood of Patent Filings

Ideas:

1. Manager training and awareness to increase opportunities
2. Brainstorming innovation sessions
3. Sabbaticals / job sharing for technical employees



13% of MSFT's US Patent Inventors From 2007-2019 were Female



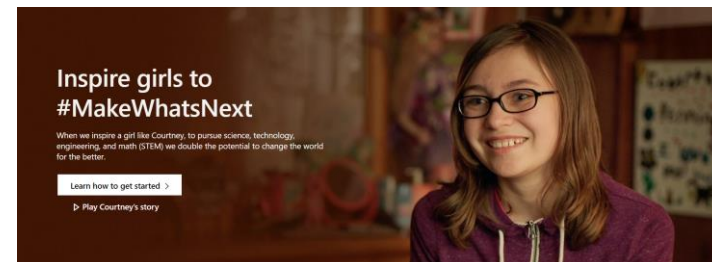
USPTO's Progress and Potential report: <https://www.uspto.gov/ip-policy/economic-research/publications/reports/progress-potential>

Raise Internal Awareness

- Presentations to IP groups
 - Raising awareness with IP professionals
 - Best practice training and sample decks provided
- Internal dashboards tracking data
 - Percent of women inventors by client group
 - Percent of women engineers by client group
 - Word cloud of top inventors
- Presentation to Outside Counsel
 - Raising awareness with our Outside Counsel partners
 - Requested active participation to ensure accurate inventorship and improved understanding of the patent process
 - Reaffirmed our commitment to staff cases with diverse teams
- Presentations client leadership
- A Culture of Inclusion
 - Trainings, resources, part of annual review of all employees
 - Reviewed IDF submission tool for any coded language/unconscious bias

Microsoft Programs

- Visibly celebrate inventors
 - Patent cubes upon filing; patent plaques upon issuance
 - Newsletters highlighting inventors
- Mentorship programs
- Presentations to client groups during all patent trainings
- Outreach to business' affinity groups to provide additional training and opportunities
- Partnerships with external organizations such as Grace Hopper, SHPE, NSBE, etc. to engage diverse inventors and encourage additional participation in the IP process
- Make What's Next program
 - Encouraging young women to pursue STEM, through donations, volunteer CS teaching programs, mentorships, and more
 - Includes a patent program to offer female inventors patent support and mentorship so they can protect their ideas and further their innovation



Ideas for the future



Public recognition of patenting activities with Leader/Manager support



Organization wide, on-going activities, such as emails, posts, presentations that focus on the research, patents, milestones, personal stories, etc. of women inventors and technologists



In addition to continuing to focus on objective data analysis, gather subjective data to better understand the root causes in each organization



Team-specific women affinity group patent trainings



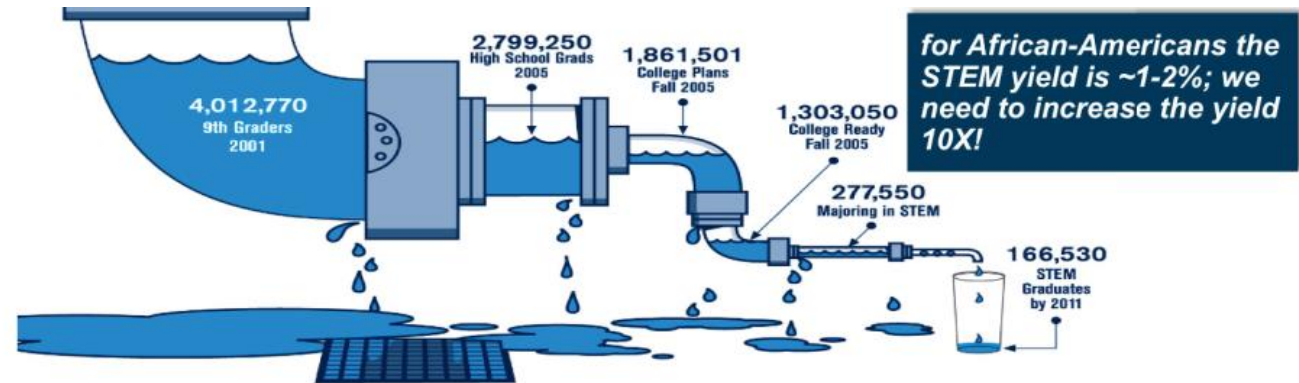
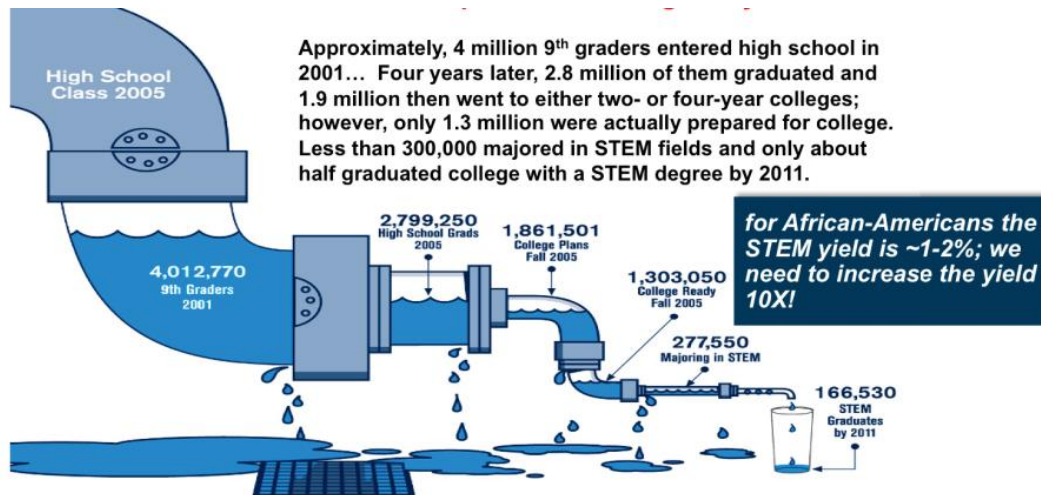
Measure percent of women inventors and report to leadership on a semi-annual basis

Appendix

Causes for the Disparity in Innovation PIPELINE

LEAKY PIPELINE

LACK OF ENGAGEMENT



Source: NCES Digest of Education Statistics; Science & Engineering Indicators 2008