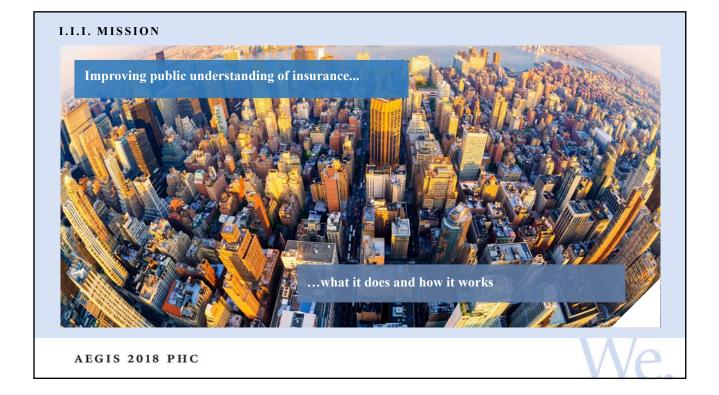
2018 ECONOMIC AND INSURANCE MARKET CONDITIONS

Sean Kevelighan

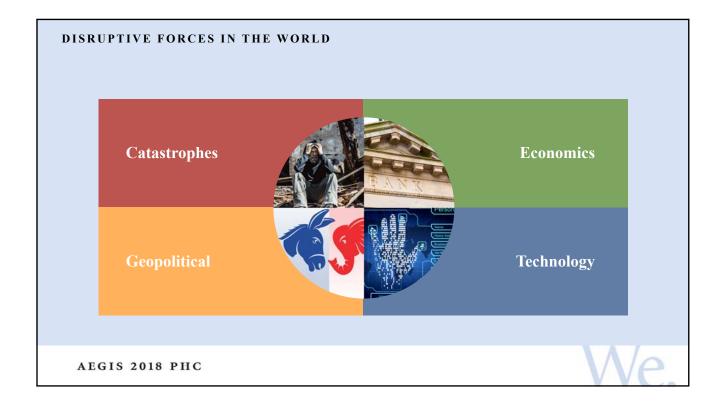
President and Chief Executive Officer

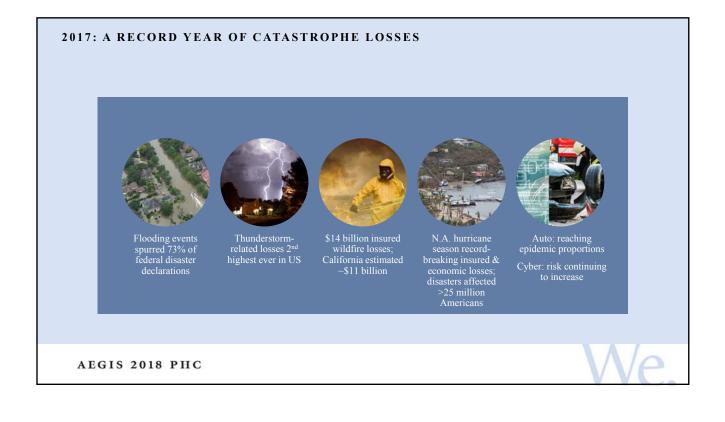
Insurance Information Institute

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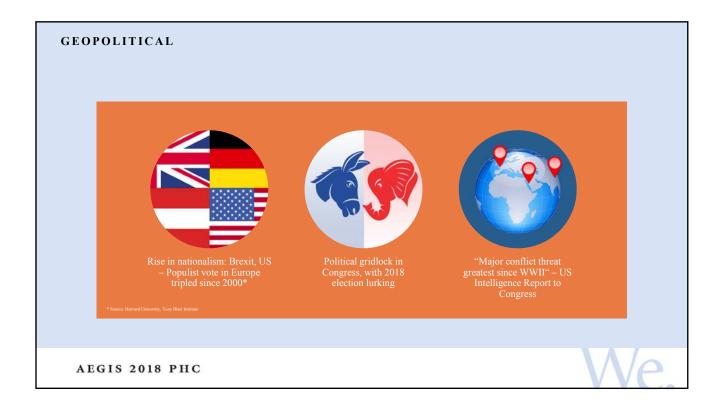


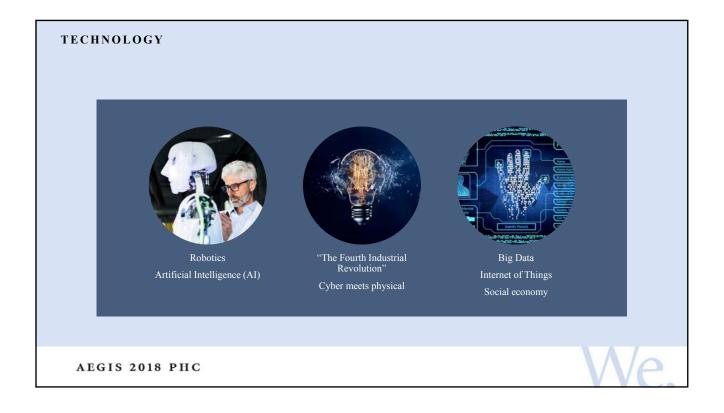
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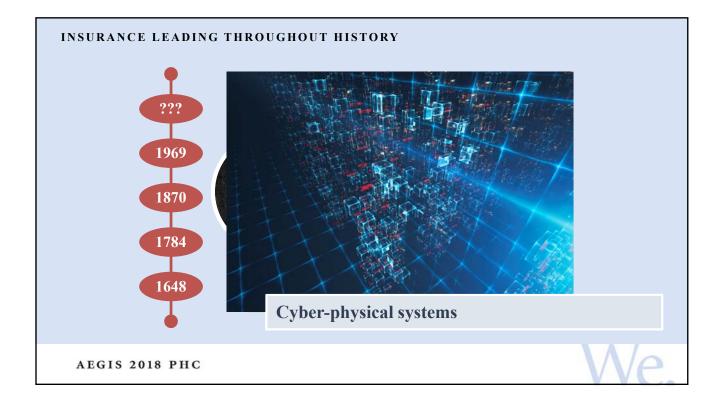




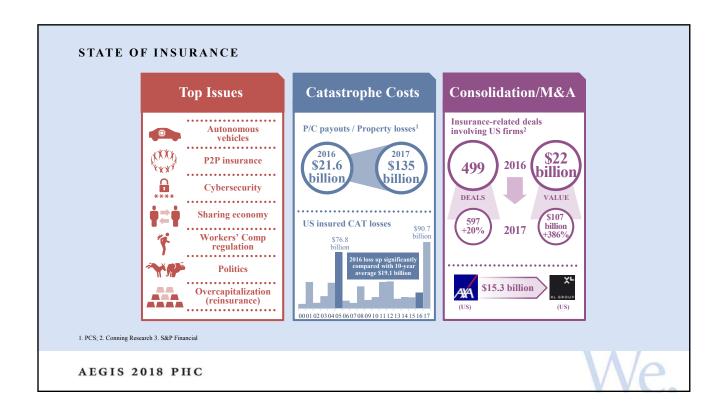






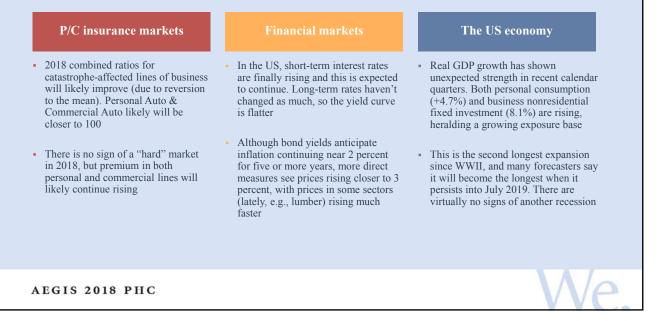


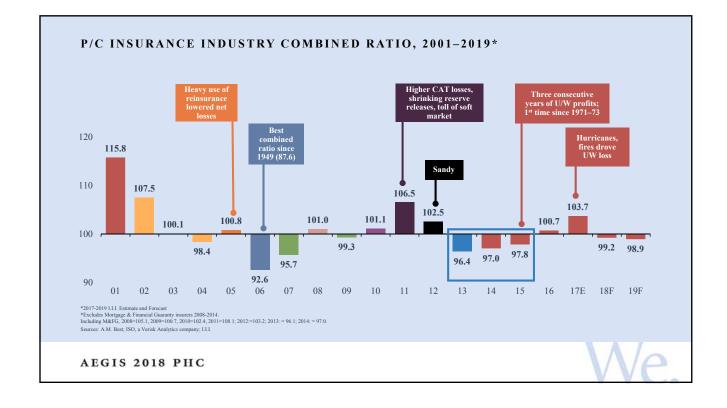




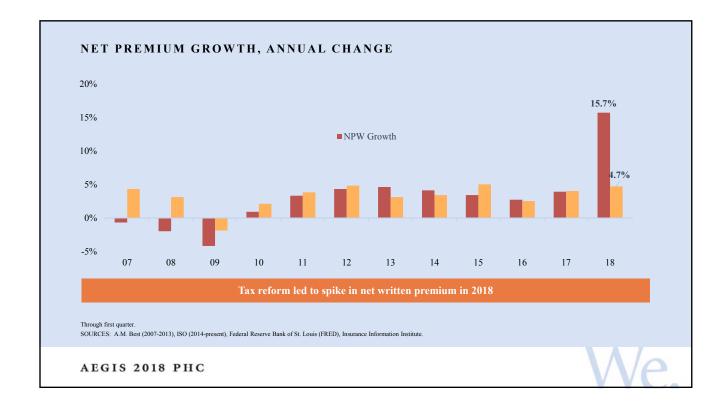
2018-2020 OVERVIEW

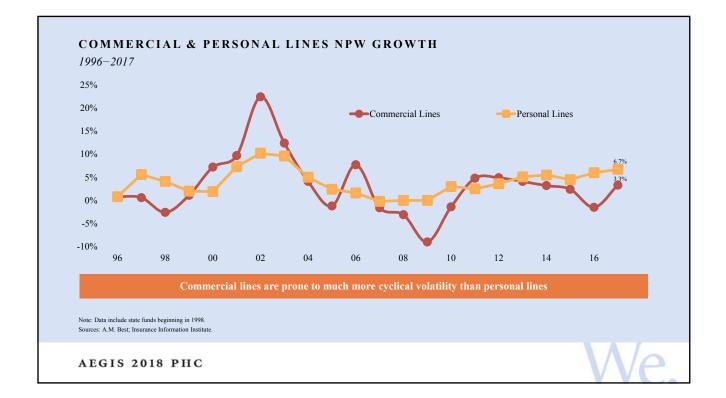
The insurance industry and the economy

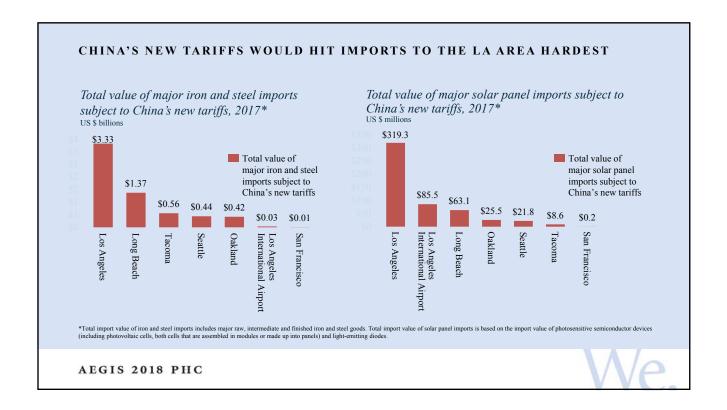




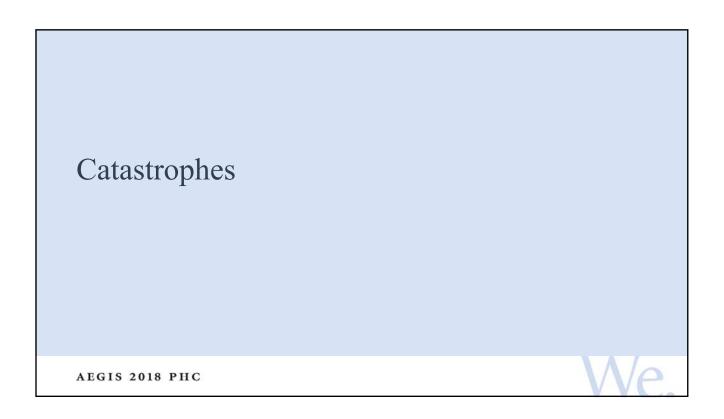


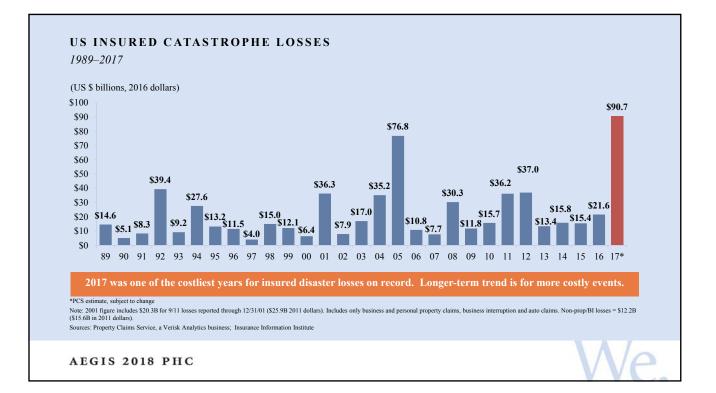


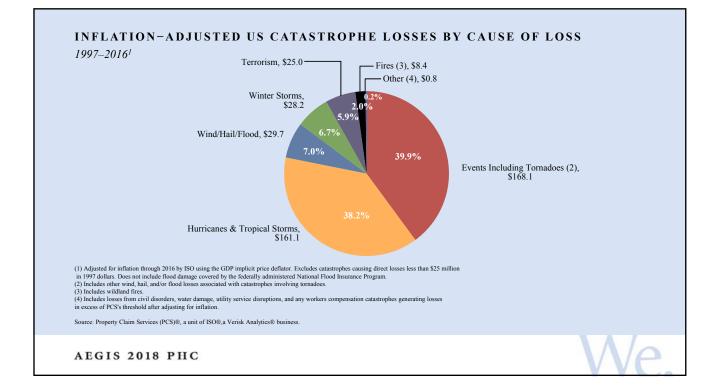














\$3 billion invested in stormresilient systems.

Following Harvey, none of the

any significant damage in their

generating system, thanks to advanced infrastructural

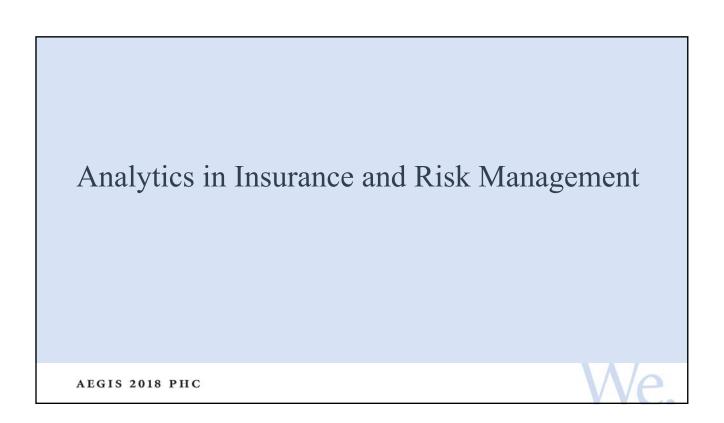
generation fleet or power

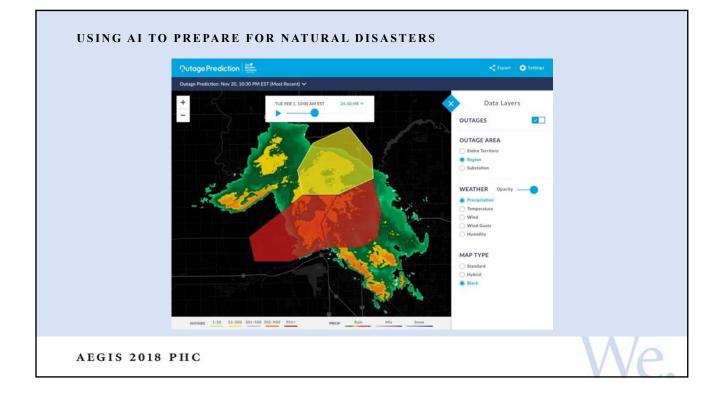
Amarille

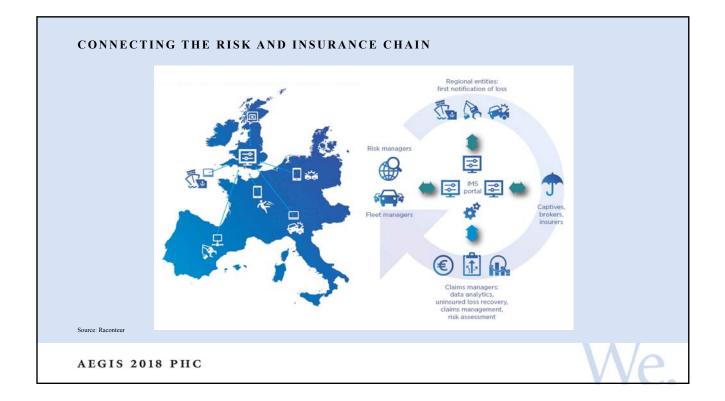
Lub

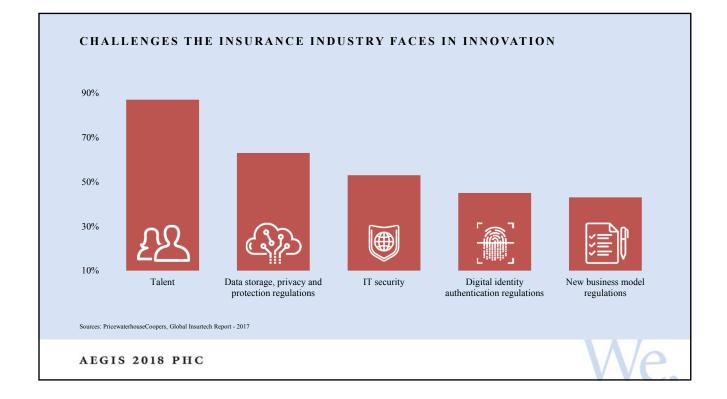
- Only about 14 % of Harris County, Texas properties had flood insurance at the time of Harvey.
- Florida's overall flood insurance rate was about 19% at the time of Irma.
- Texas has no statewide building codes, but municipalities are considering adopting new standards.
- In Florida, after Irma, homes that were built to stricter (post-Andrew) building codes fared better.

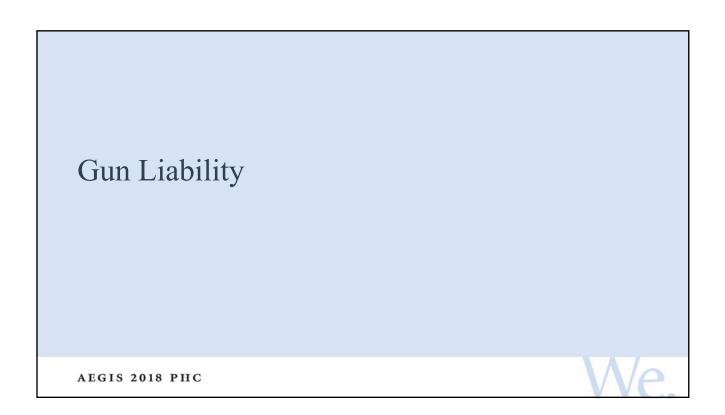
Sources: Scottmadden.com; FEMA; Realtor Magazine; Wall Street Journal.

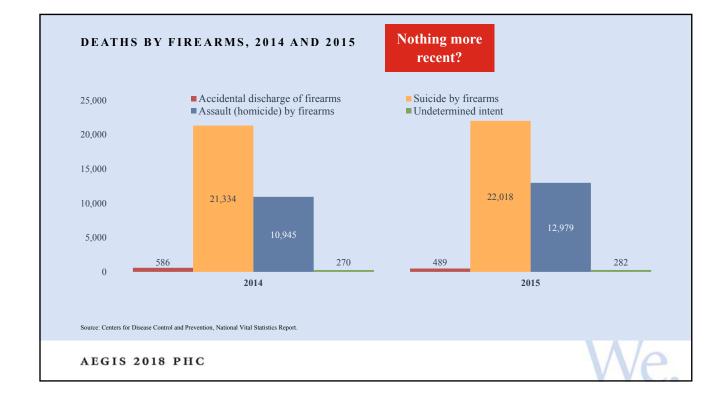


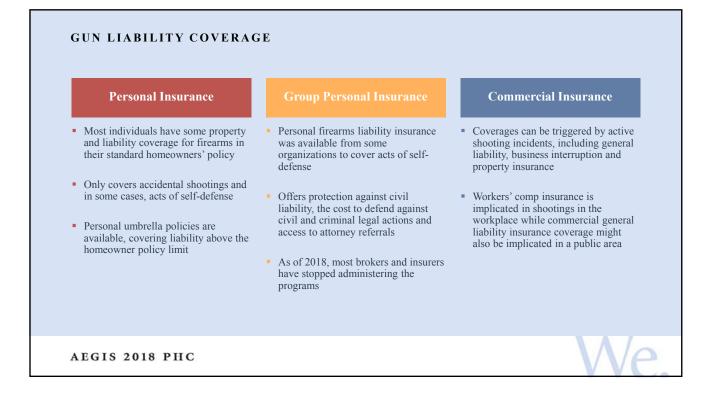














What is "The Fourth Industrial Revolution"?

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FOUR INDUSTRIAL REVOLUTIONS

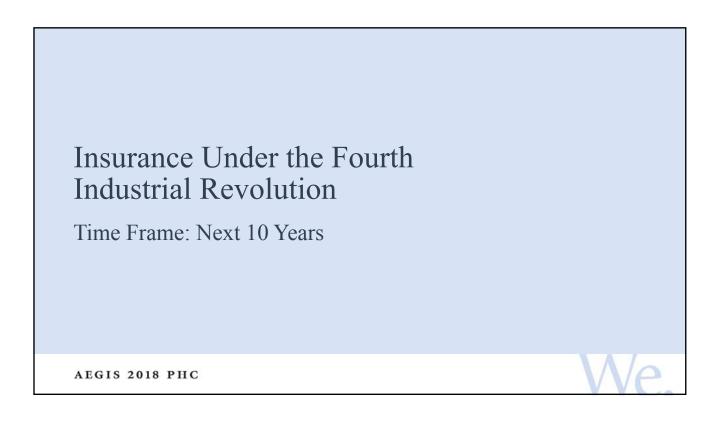
Source: https://www.weforum.org/agenda/2016/01/the-fourth-industrial-revolution-what-it-means-and-how-to-respond

- The First Industrial Revolution used steam power to mechanize production (early 19th century)
- The Second Industrial Revolution used electric power to create mass production (late 19th century and early 20th century)
 - It also harnessed the internal combustion engine, the telephone (and other communications technology), and flight
- The Third Industrial Revolution used the internet and information technology to automate production and accelerate communication (late 20th century)
- The Fourth Industrial Revolution is characterized by a fusion of technologies that is blurring the lines between the physical, digital, and biological spheres

FOUR MAIN EFFECTS ON BUSINESS OF THE FOURTH INDUSTRIAL REVOLUTION

- 1. Customer expectations
- 2. Product enhancement
 - Products can be more personalized and/or have added digitally-enhanced features
 - Products can be more durable and resilient, and more cheaply and easily maintained
- 3. Collaborative innovation
 - Given the speed of innovation, organizations will need new forms of collaboration to keep up
- 4. Organizational forms
 - Talent, culture, and organizational forms will have to be rethought

Source: https://www.weforum.org/agenda/2016/01/the-fourth-industrial-revolution-what-it-means-and-how-to-respond_



FOUR MAIN EFFECTS OF THE FOURTH INDUSTRIAL REVOLUTION ON THE INSURANCE BUSINESS

- 1. Customer expectations (personal lines and small business insurance)
 - Regarding shopping for, and buying, insurance
 - Artificial Intelligence (AI) could, via big data, determine unique characteristics for each prospective customer
 - AI and virtual reality could help buyer choose ideal policy limits in part by simulating various claims events



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FOUR MAIN EFFECTS OF THE FOURTH INDUSTRIAL REVOLUTION ON THE INSURANCE BUSINESS

2. Product enhancement

- Policies can be linked to sensors on the policyholder's property (or, for life and health insurance, on the policyholder)
- Policies can be linked to recommend tailored behavior-change information that would reduce risks that could become claims, such as real-time driving suggestions, etc.
- Policies can be linked to tailored educational information, such as updated flood-zone maps, new scientific discoveries regarding earthquakes, etc.



FOUR MAIN EFFECTS OF THE FOURTH INDUSTRIAL REVOLUTION ON THE INSURANCE BUSINESS

- 3. Collaborative innovation
 - Need for new forms of collaboration
 - Insurers devising new coverages, collaborating with customers and business
 - Insurers will have to collaborate with regulators
 - Technology could foster creation of new insurers with specialized coverage



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FOUR MAIN EFFECTS OF THE FOURTH INDUSTRIAL REVOLUTION ON THE INSURANCE BUSINESS

- 4. Talent, culture, and organizational forms
 - The percent of people in the agency, underwriting, financial management and claims areas will shrink
 - The percent of people in actuarial and IT areas will explode
 - Insurers will want to be seen by customers as part of a "financial safety net"





