

# DeGeOP

## A Designer and Geo-localizer Web App for Organizational Plants



The **business interruption** simulation company

# Company Timeline

PhD @ UCI



2009-2012

07/2013



«Mind The Bridge»  
San Francisco



09/2015



1st  
corporate  
customer

RiskAPP



10/2015



Joint value  
proposition



03/2016



Strategic  
partnership

1st World  
bank  
assignment



04/2016



Europe  
Market

US  
market



10/2016

# The problem /1

Business Interruption

Annual revenues: **36 M€**



# The problem /2

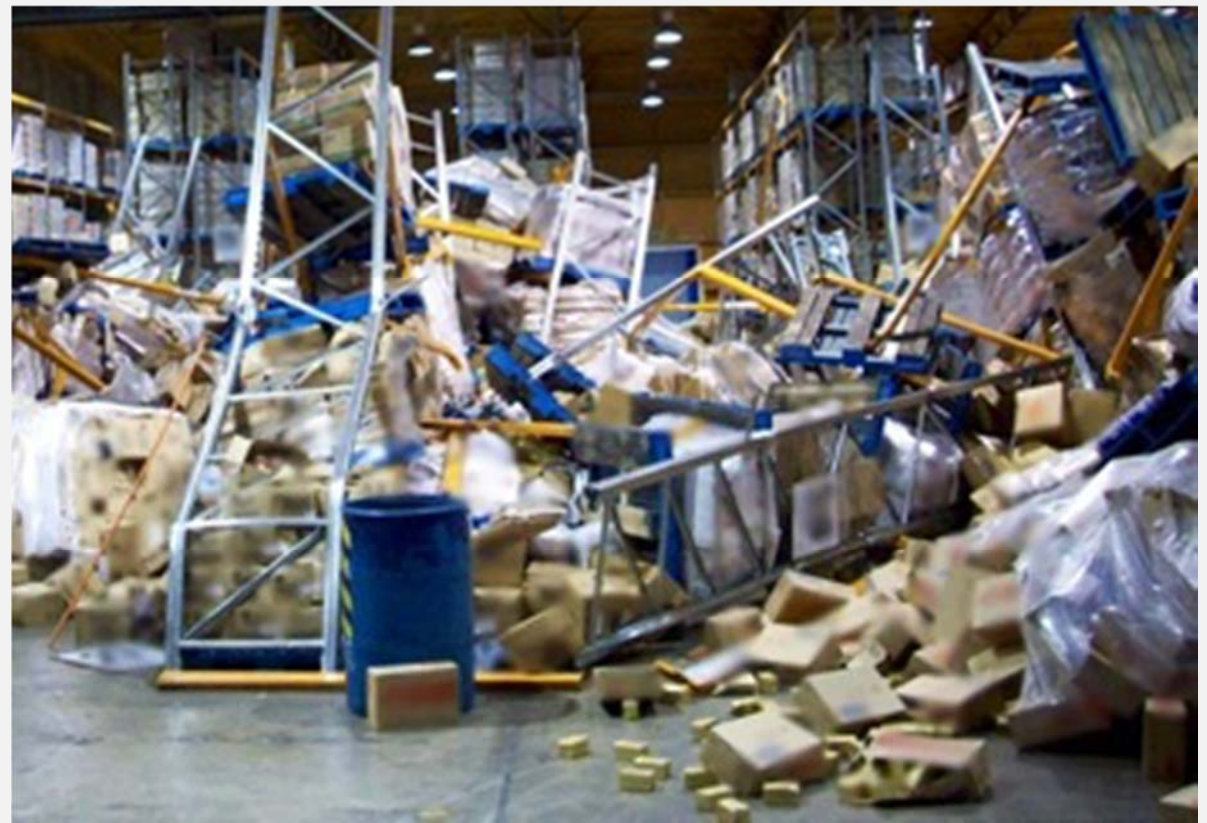
Business Interruption

Annual revenues: **36 M€**

A tornado strikes

Operation stop: 3 months

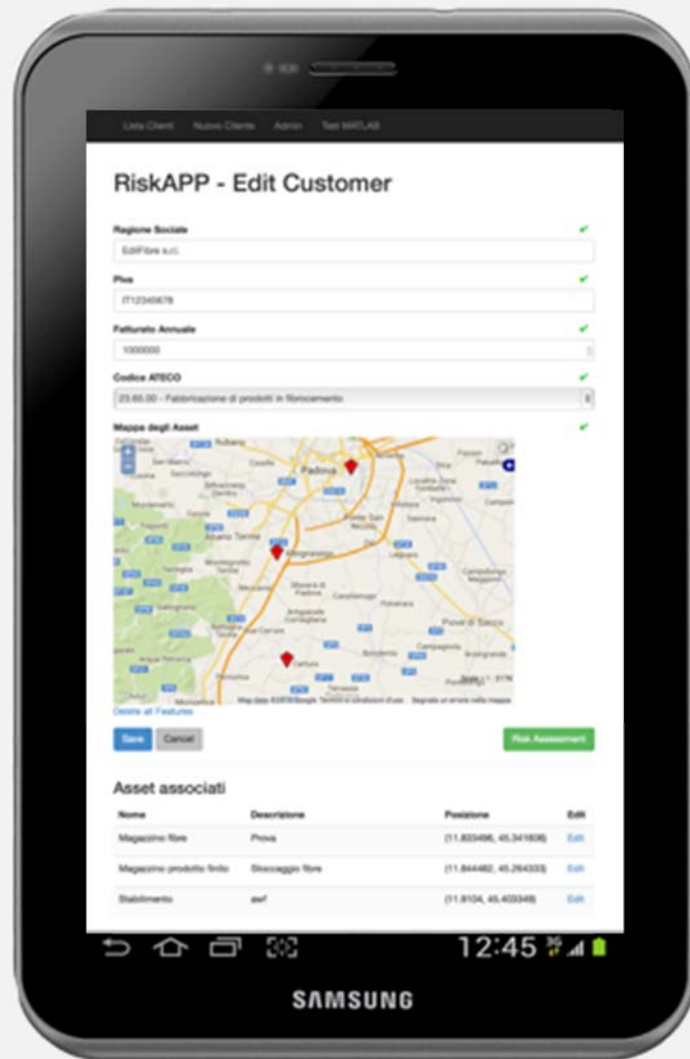
Business Interruption: **2 M€**





Insurance industry **does not** have the tool to assess the exposure to business interruption

# The Solution



is a tool to



COLLECT



PROCESS



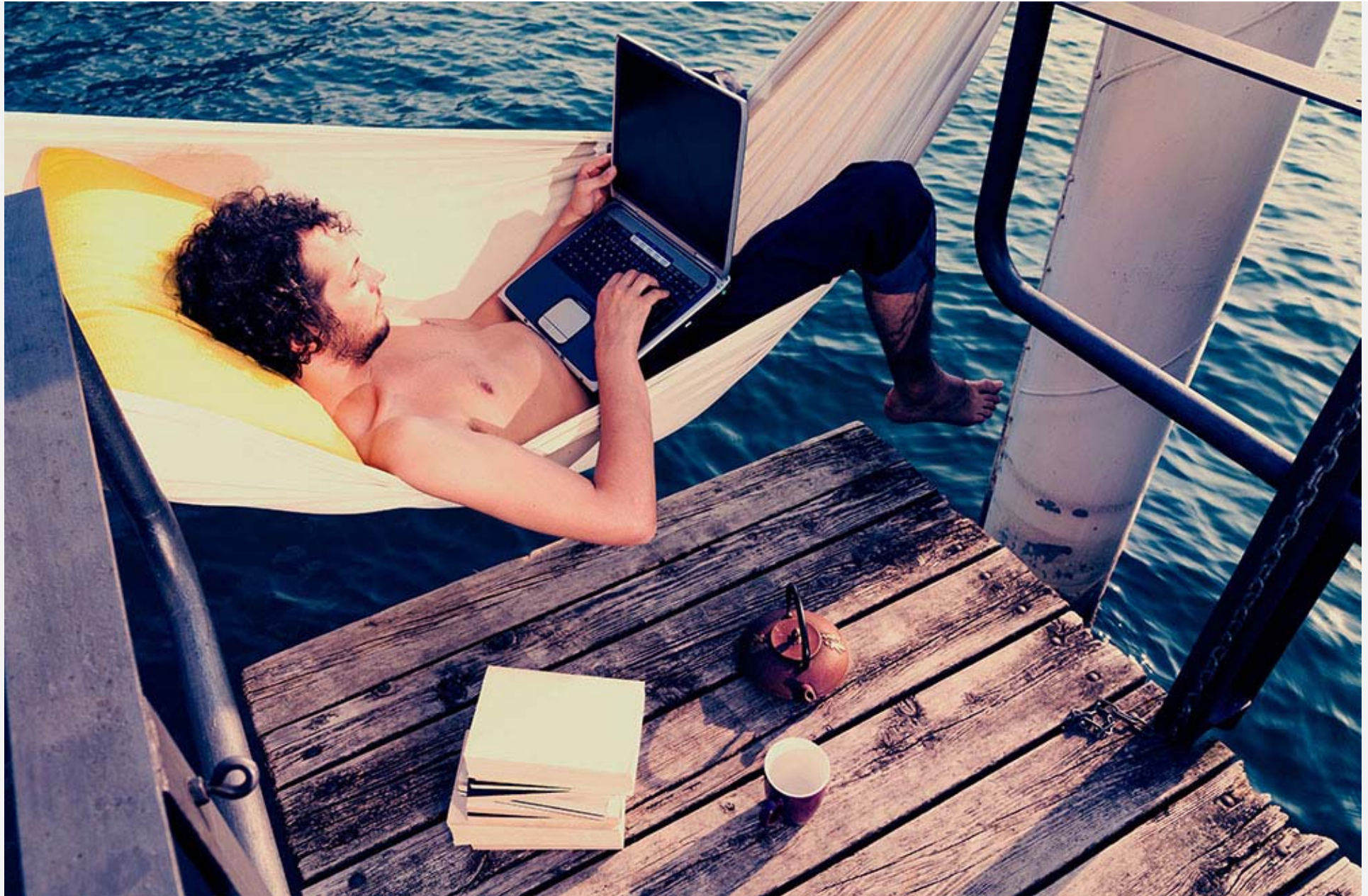
REPRESENT

risk data for the Insurance  
Industry

• RiskAPP •



[https://www.youtube.com/watch?v=-P2r\\_ox7OGk](https://www.youtube.com/watch?v=-P2r_ox7OGk)





# Invitation to tender /1

A web app to design the organizational plant of an enterprise and overlay it to a geographical map

The screenshot displays the RiskAPP web application interface. The top navigation bar includes 'Elenco Clienti', 'Clienti', 'Asset', 'Processi', 'Scenari', 'Risk analysis', and 'Analisi'. The main title is 'Modifica processo: Produzione cambi'. Below this, there are buttons for 'Add Node', 'Add Edge', and 'Delete selected'. A 'Node' configuration panel shows 'Nome: Magazzino #1'. The central part of the interface features a process flow diagram with nodes: 'Sorgente' (pink triangle), 'Magazzino #1' (yellow cylinder), 'Macchina 1' (green rectangle), 'Macchina 2' (green rectangle), 'Stampaggio' (pink rectangle), and 'Magazzino 3' (yellow cylinder). Arrows indicate the flow from 'Sorgente' to 'Magazzino #1', then to 'Macchina 1' and 'Macchina 2', and finally to 'Stampaggio' and 'Magazzino 3'. To the right, a geographical map of the Americas is shown with a red line connecting several locations. A 'Buffer Distance' dialog box is open, showing '100 Kilometers' and an 'Apply' button. The bottom of the interface features the 'RiskAPP' logo.





# Invitation to tender /2

A web app to design the organizational plant of an enterprise  
and overlay it to a geographical map

- Creare un'interfaccia di tipo **web app** erogabile anche su dispositivo mobile, usando lo *stack* tecnologico preferito, per inserire i processi produttivi delle aziende (macchinari, magazzini, fornitori, distributori) su mappa geografica
- Disegnare gli scenari di danno che possono colpire l'azienda ed inviare le informazioni al server di analisi dei dati che risponderà con dei container con i risultati in modo asincrono
- Consumare API da server in cloud su Amazon Web Services
- Funzionare su tablet
- Inserimento con riconoscimento vocale? (es: [Webkit Speech Recognition](#))
- **Tech stack: you choose!**
- **Extra mile:** mostrare i risultati sullo stesso formato di input. Offline work.

# The work environment

@ RiskApp

- Communication: Slack 
- Task Management: Asana 
- Time tracking and budgeting: Everhour 
- Customer onboarding, customer support and customer success: Intercom 

- Agile: weekly scrum meeting 
- IDE: PyCharm (OsX) + Eclipse (Debian) 
- Data processing: RStudio + Shiny 

# Baseline **tech** and **architecture**

@ RiskApp

- Architettura
  - Un *server* di *front-end* (con API per inserimento dati)
  - Un *server* di elaborazione dei risultati (collegato con API)

- *Technology stack* attuale

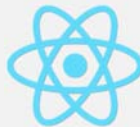
- Amazon WS



- Python3 + Django + PostgreSQL (and noSQL)

**B** Bootstrap

**JS**



- Bootstrap + Javascript + React + hammer.js + Yeoman



# The **expected** outcome

- Prototipo funzionante dello strumento di rappresentazione e mappatura geografica di processi produttivi aziendali
  - Da integrare possibilmente nella piattaforma di prodotto
- Strumento utilizzabile su *tablet* (con le *gesture* tipiche: *drag*, *pinch*, *point*) per la personalizzazione di processi produttivi aziendali
- Ospitato in Cloud presso AWS

# References

- RiskAPP: [www.riskapp.it](http://www.riskapp.it)
- Django: <https://www.djangoproject.com/>
- Speech recognition web: <http://jsfiddle.net/vittoriominacori/m7z65/>
- AWS: <https://aws.amazon.com/it/products/>
- React: <https://facebook.github.io/react/>
- Yeoman: <http://yeoman.io/>
- REST framework: <http://www.django-rest-framework.org/>



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