

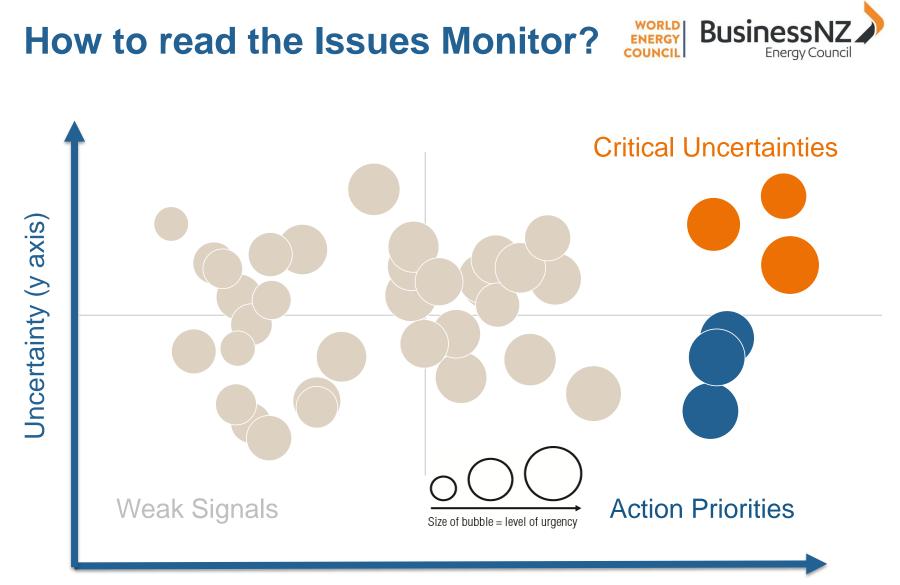
# World Energy Issues Monitor 2018 New Zealand

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- Section 6 Geographical Tracking



Impact (x axis)



Critical uncertainties: Issues with high uncertainty and high impact (in the top-right quadrant) are the 'critical uncertainties' with no clear path of action which keep energy leaders most awake at night. These issues need to be part of the energy leaders' dialogue and scenario analysis. → What keeps energy leaders awake at night?

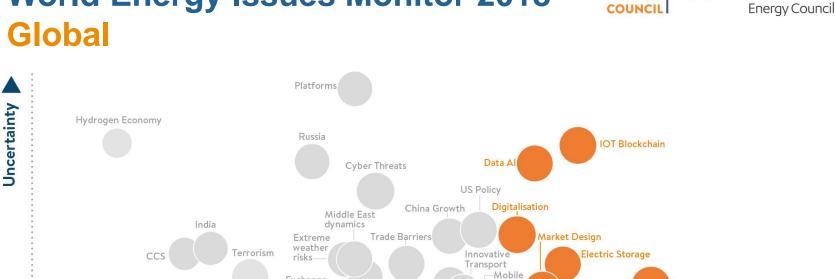
Action priorities: The issues in the high-impact and low-uncertainty space are those which keep energy leaders most busy (bottom-right, 'action issues'). → What keeps energy leaders busy at work?

**Weak signals:** The low-impact and low-uncertainty issues (bottom-left quadrant) include those of perceived lesser importance or those that are still not fully understood and in need of further investigation.

Survey responses are translated into issue monitors with the <u>three assessed dimensions</u>: the <u>**impact**</u> of an issue on the energy sector – this forms the x axis; the degree of <u>**uncertainty**</u> related to its impact – this forms y axis; the <u>**urgency**</u> with which we need to address the specific issue – represented by the proportional size of the issue bubble where a larger size corresponds to a higher degree of urgency.



# Section 1 The World



Sustainable

Cities

Energy water nexus

EU Cohesion

Large-scale accidents



Exchange

Rates

**Biofuels** 

Unconventionals

Decommissioning



Capital Markets

Cloud

Talent

Decentralised Systems

Climate

Regional Integration

**Energy Subsidies** 

Framework

**Commodity Prices** 

**Electricity Prices** 

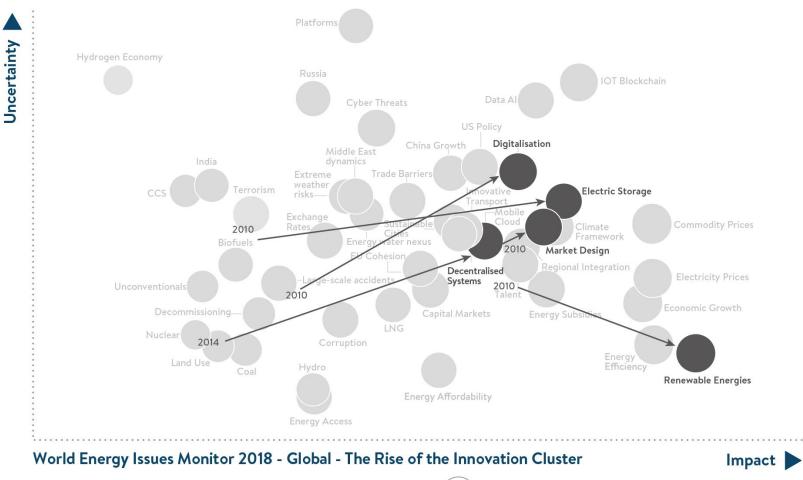
Economic Growth

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#### **Business** WORLD **World Energy Issues Monitor 2018** ENERGY COUNCIL **Global – The Rise of the Innovation Cluster**



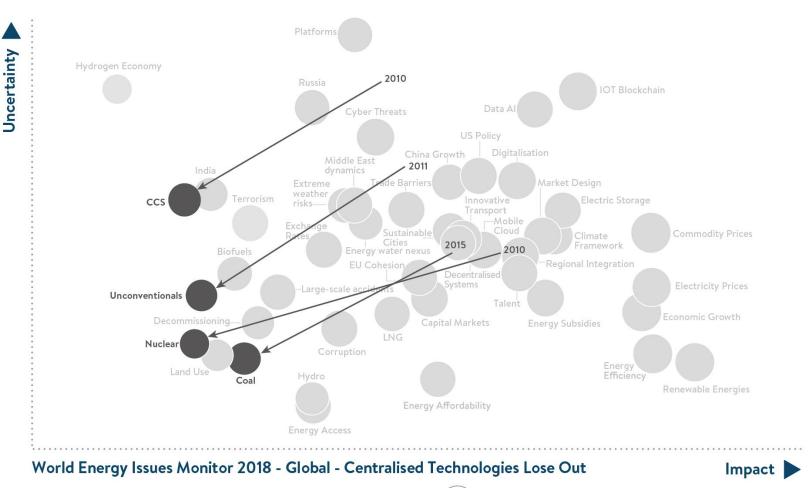
Timetracking of selected issues from 2010 to 2017



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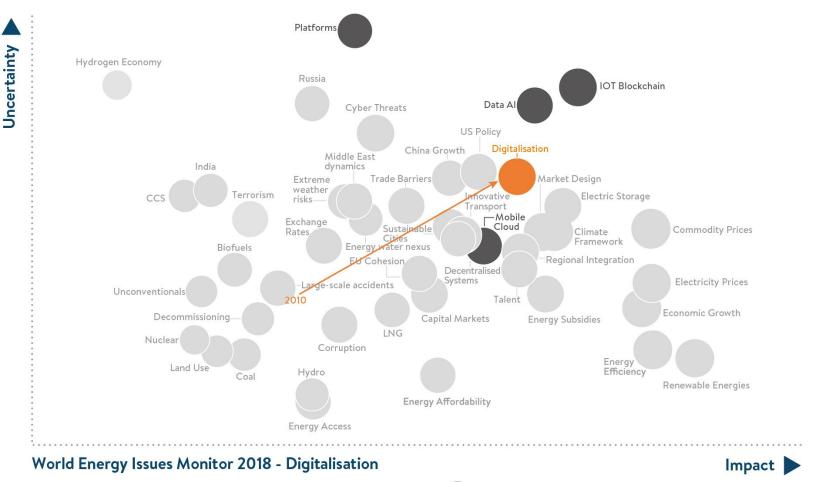
Timetracking of selected issues from 2010 to 2017

Less urgent ( More urgent

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# World Energy Issues Monitor 2018 Global – Digitalisation



- Digitalisation: Global
- Digitalisation deep-dive issues: Global

Less urgent O More urgent

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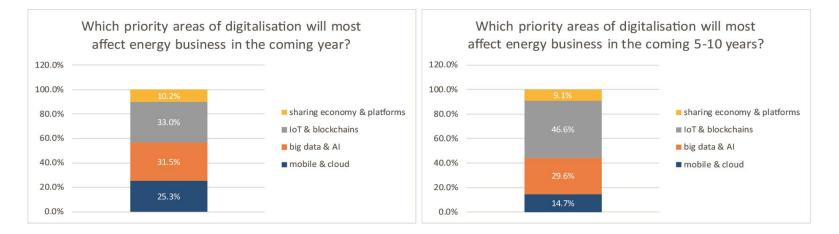
**Enerav** Council

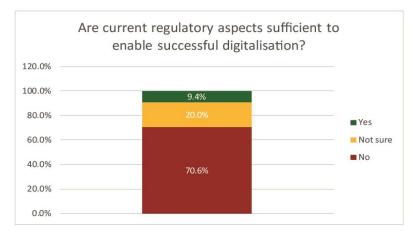
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# World Energy Issues Monitor 2018 Global – Digitalisation







# Section 2 New Zealand

### **Critical Uncertainties & Action Priorities**

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# **World Energy Issues Monitor 2018** New Zealand – this year



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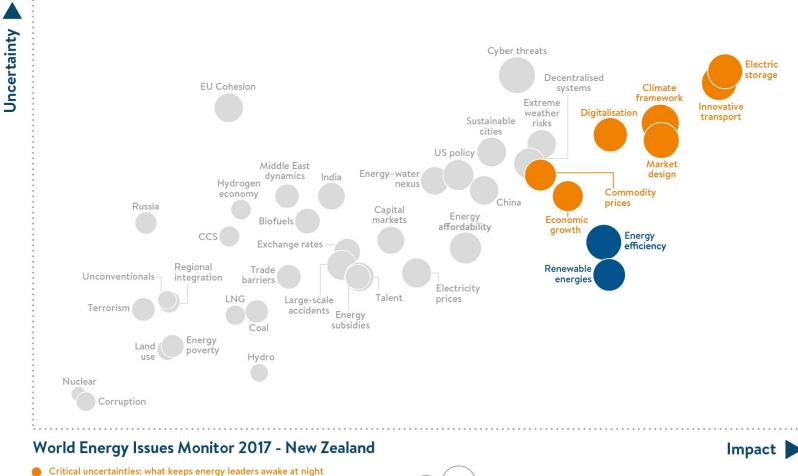
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# World Energy Issues Monitor 2017 New Zealand – last year



Action priorities: what keeps energy leaders busy at work



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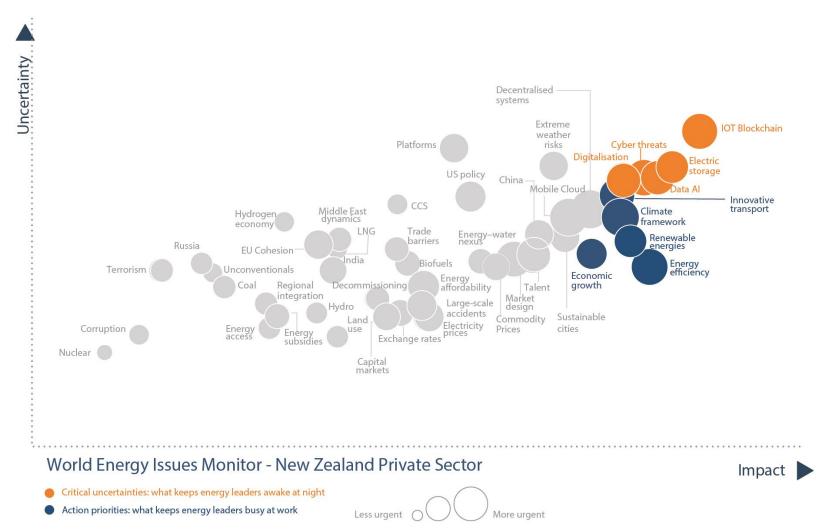


# Section 3 New Zealand

### **Public & Private Sector**

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# World Energy Issues Monitor 2018 New Zealand – Private Sector



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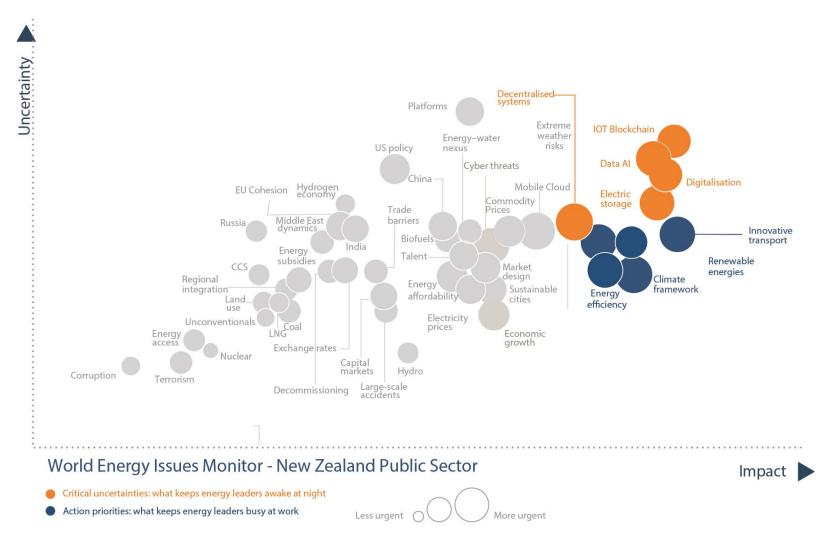
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## World Energy Issues Monitor 2018 New Zealand – Public Sector



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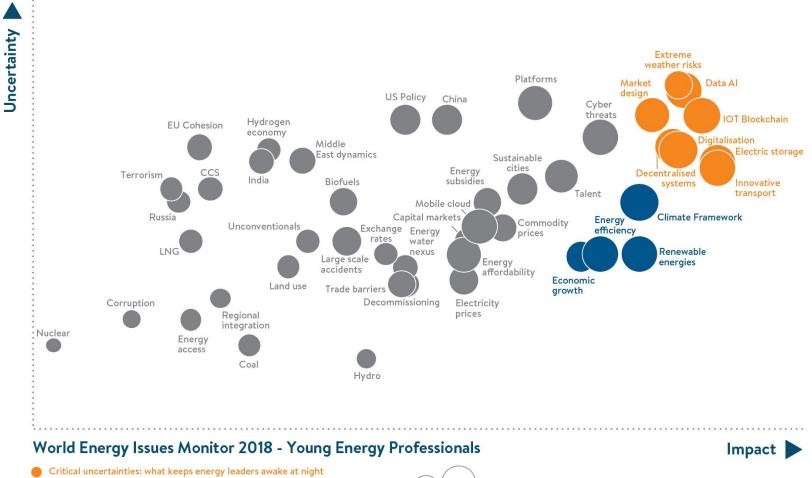


# Section 4 New Zealand

### Young Energy Professionals

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# World Energy Issues Monitor 2018 BusinessNZ New Zealand – Young Energy Professionals



Action priorities: what keeps energy leaders busy at work



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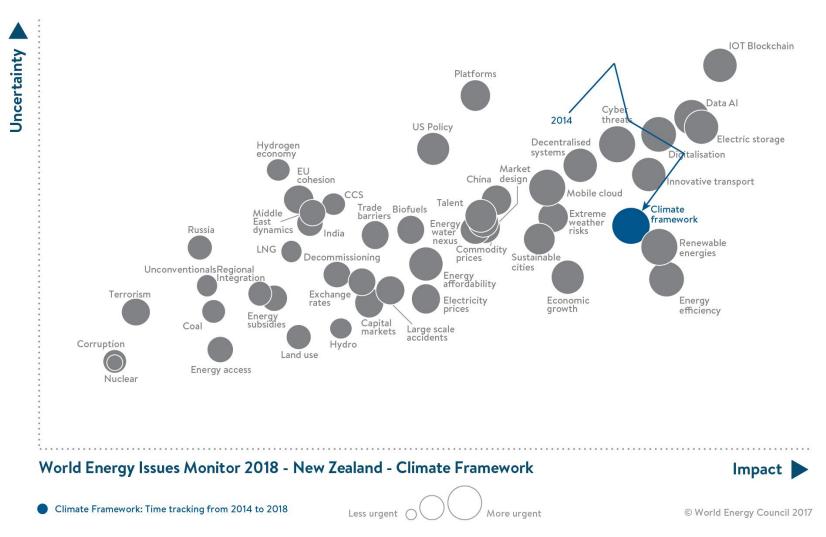


# Section 5 New Zealand

**Time-tracking** 

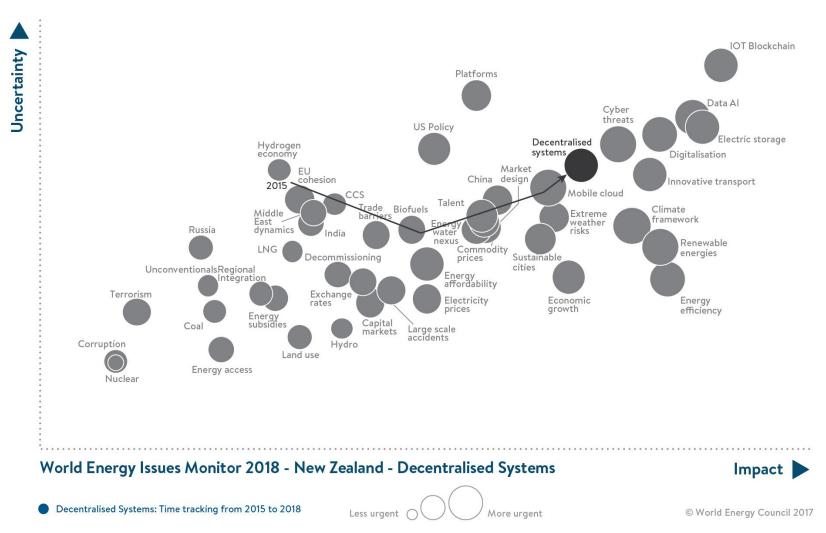
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#### **Business**N WORLD **World Energy Issues Monitor 2018** ENERGY COUNCIL **New Zealand – Climate Frameworks**



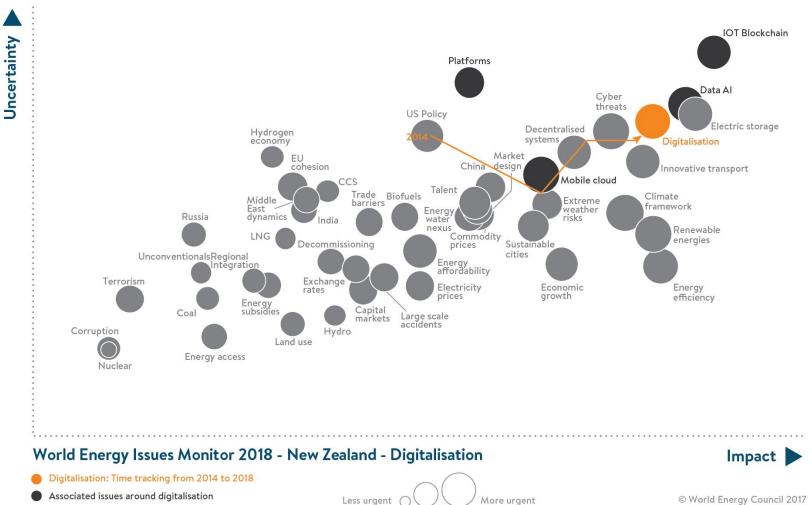
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#### **Business**N WORLD **World Energy Issues Monitor 2018** ENERGY COUNCIL **New Zealand – Decentralised Systems**



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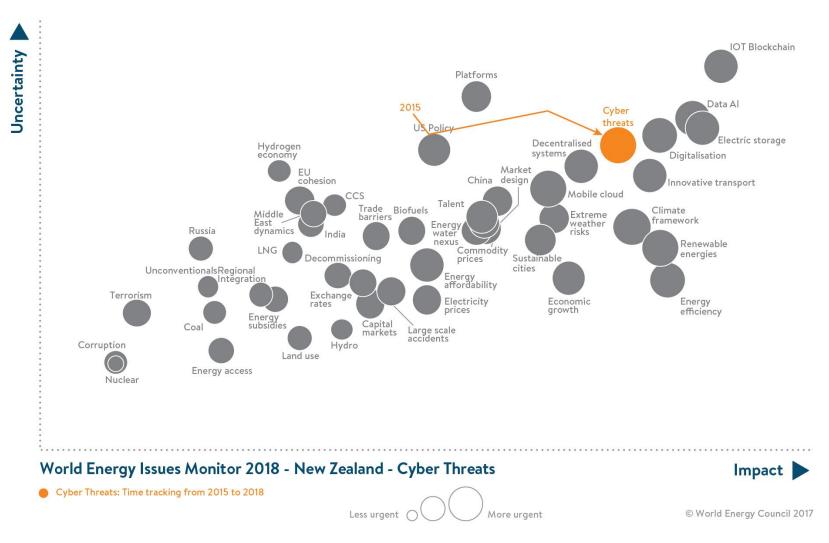
#### WORLD **World Energy Issues Monitor 2018** ENERGY COUNCIL **New Zealand – Digitalisation**



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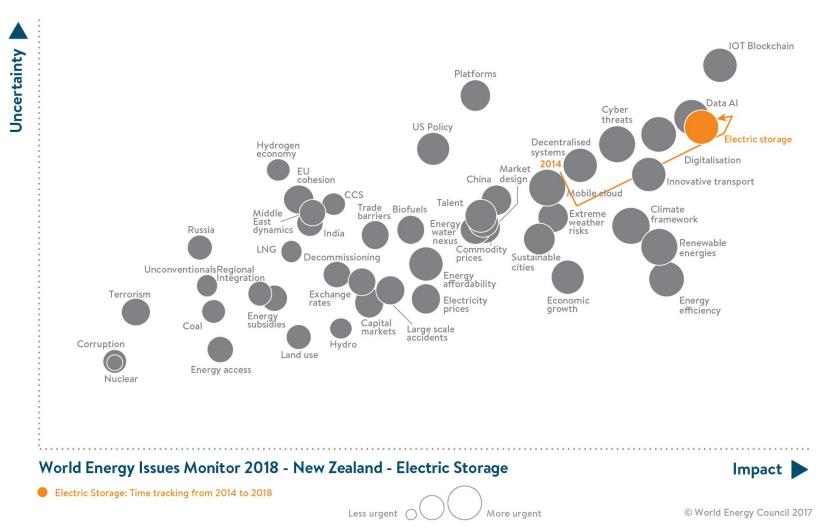
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#### **Business**N WORLD **World Energy Issues Monitor 2018** ENERGY COUNCIL **New Zealand – Cyber Threats**



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# World Energy Issues Monitor 2018 New Zealand – Electric Storage



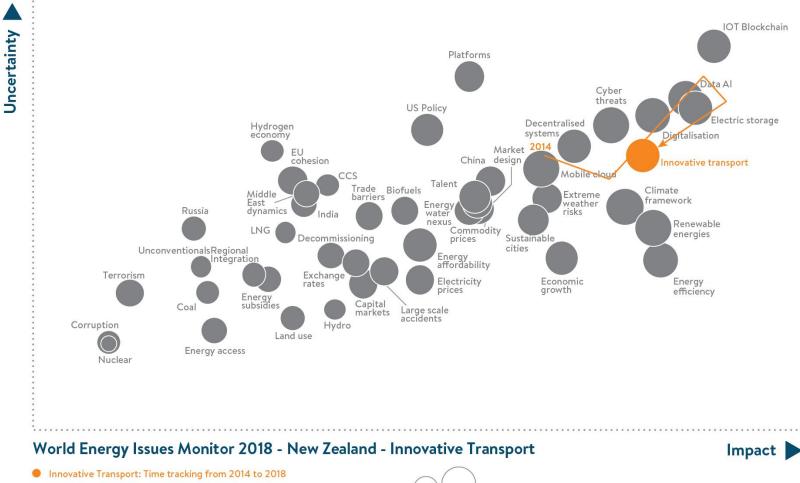
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Less urgent More urgent

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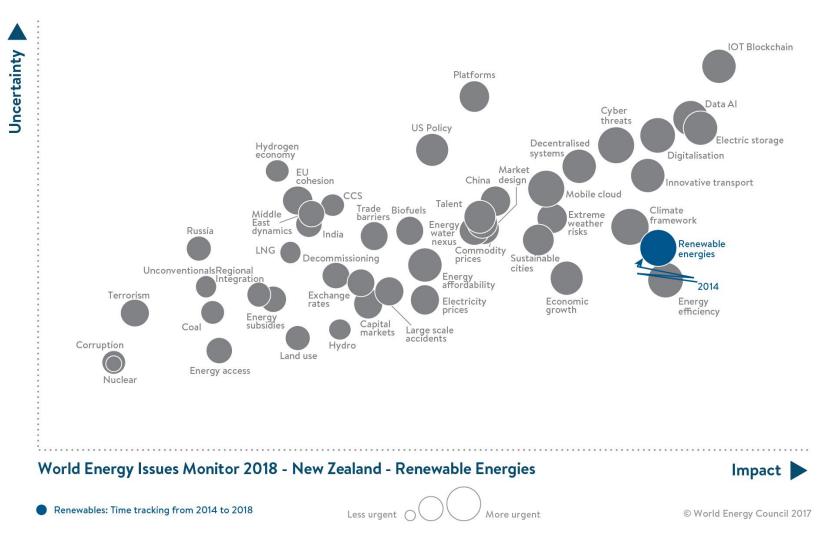
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# World Energy Issues Monitor 2018 New Zealand – Talent



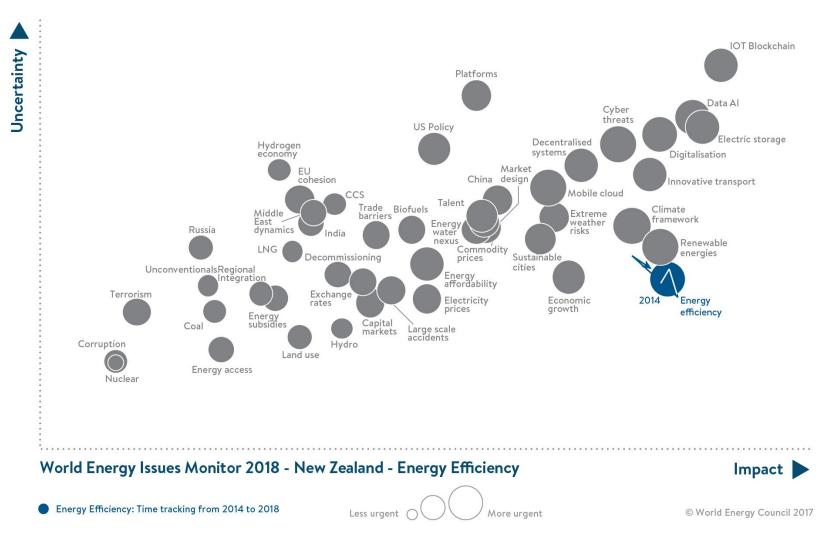


# World Energy Issues Monitor 2018 New Zealand – Renewable Energies





# World Energy Issues Monitor 2018 New Zealand – Energy Efficiency



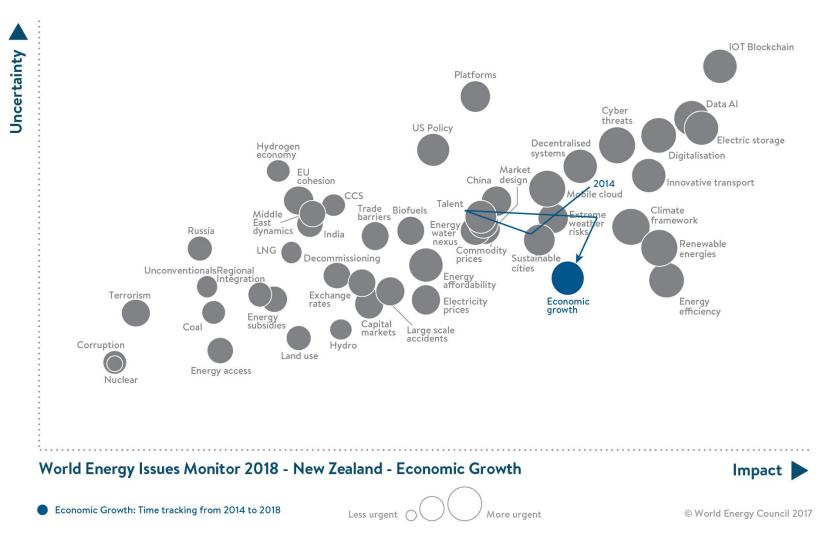
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# World Energy Issues Monitor 2018 New Zealand – Economic Growth



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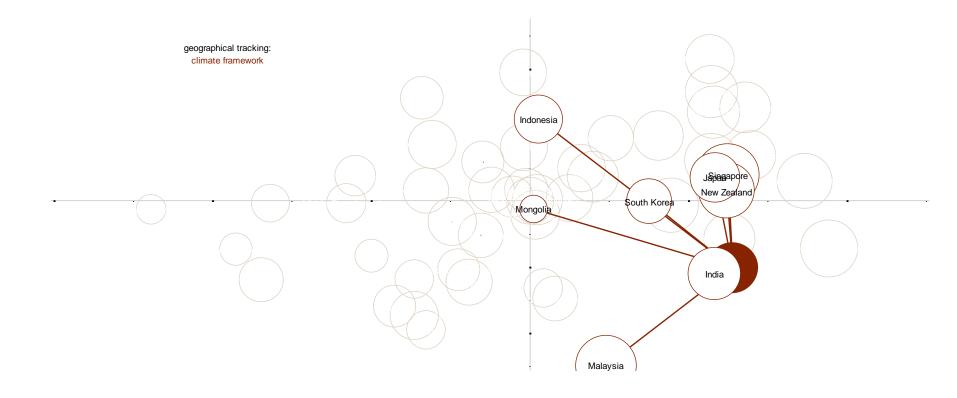
# Section 6 New Zealand

**Geographical Tracking** 

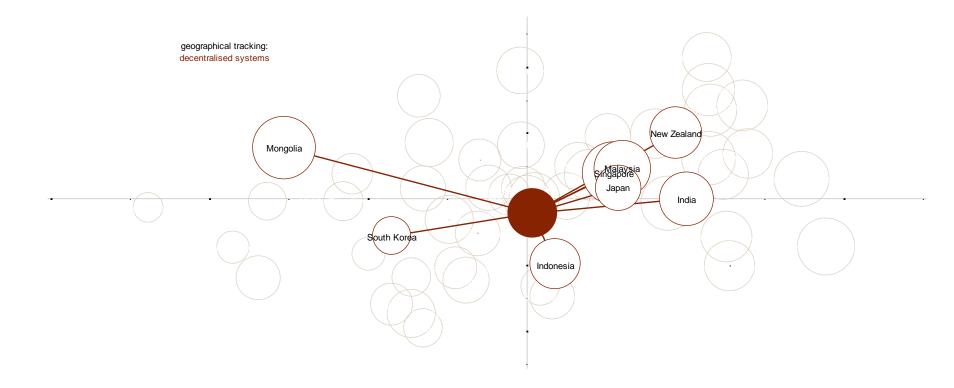
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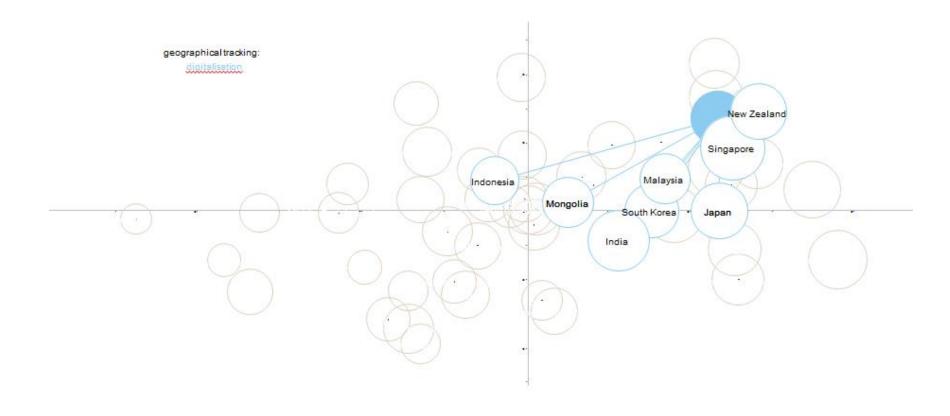
# World Energy Issues Monitor 2018 New Zealand – Climate Framework





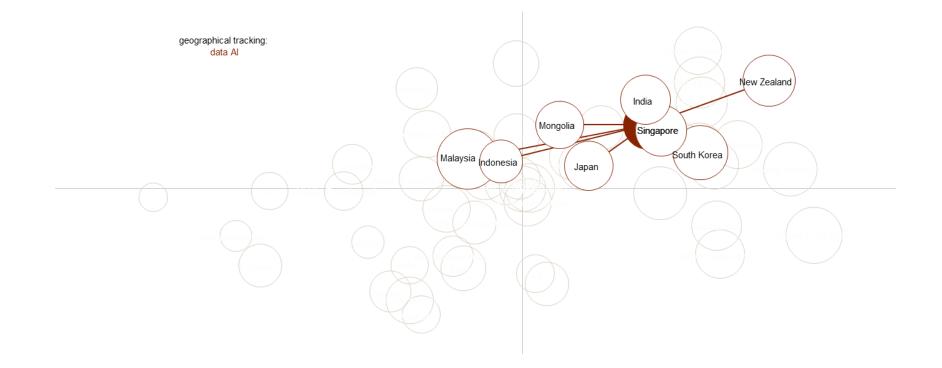


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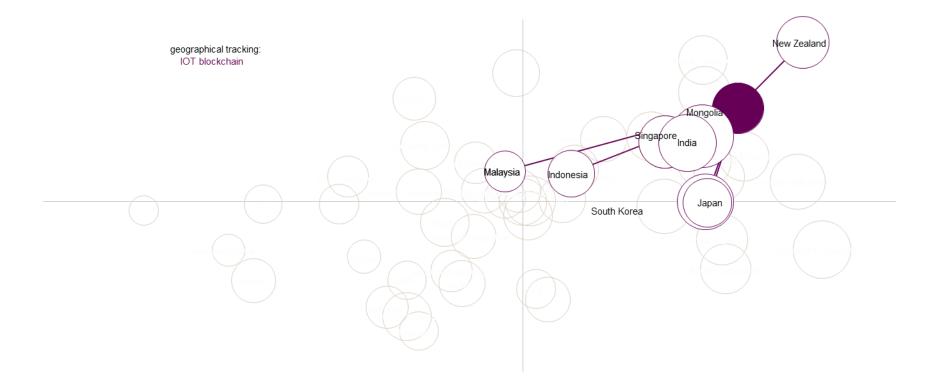




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# World Energy Issues Monitor 2018 BusinessNZ

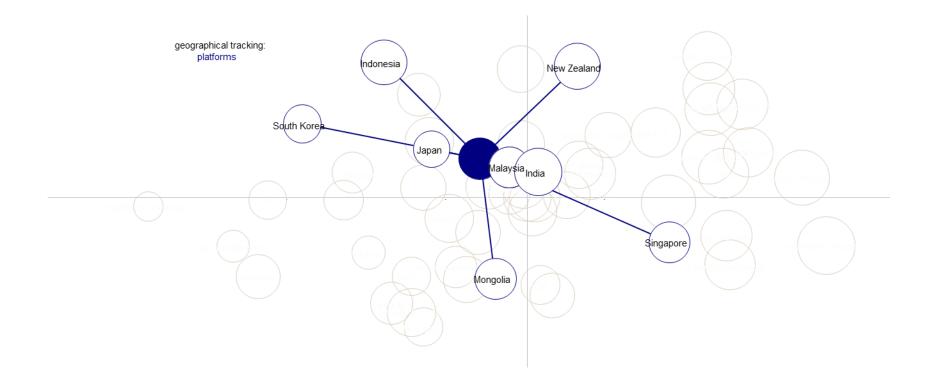


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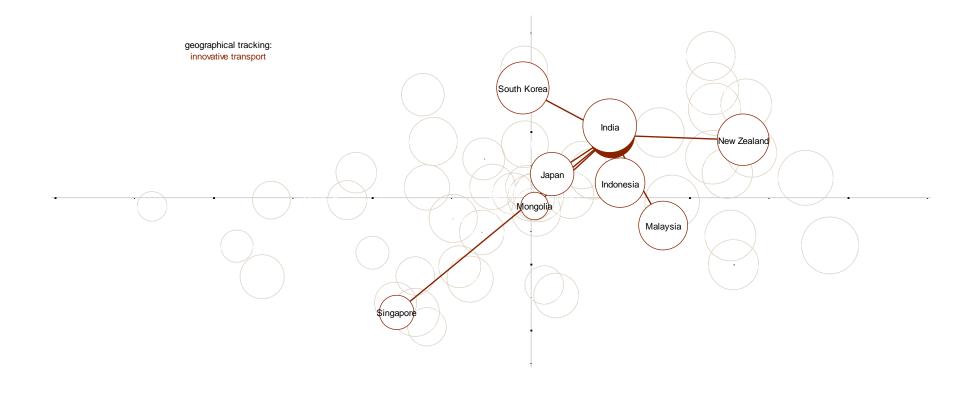


### World Energy Issues Monitor 2018 BusinessNZ Asia Pacific – Platform



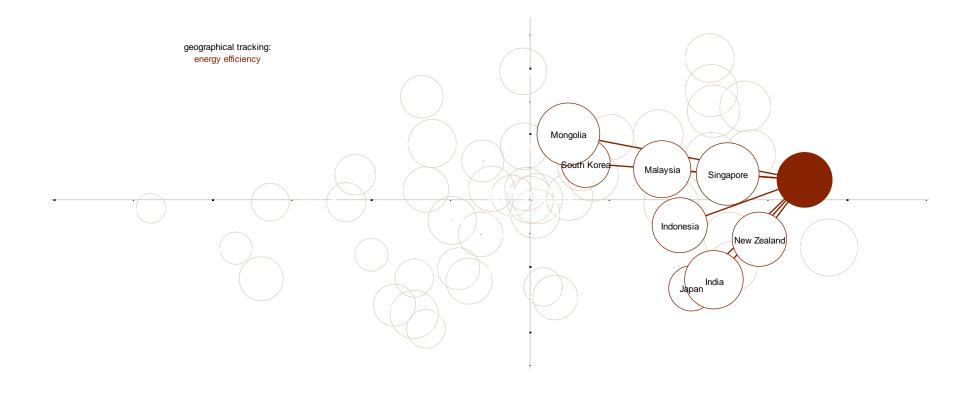


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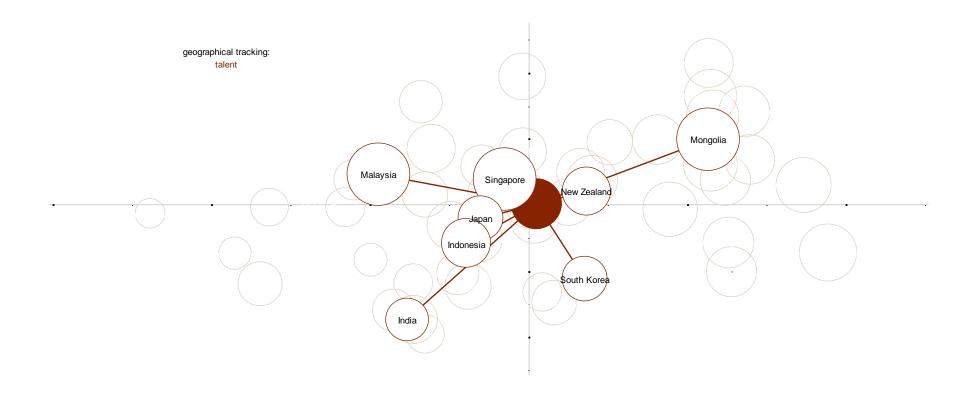


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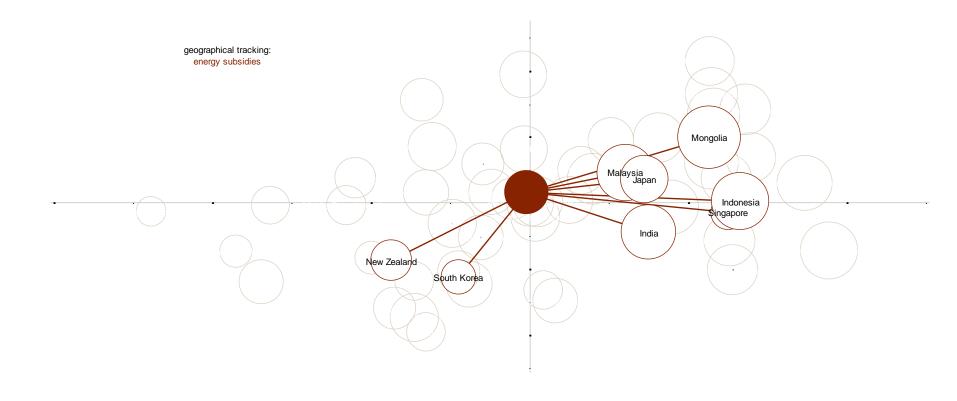


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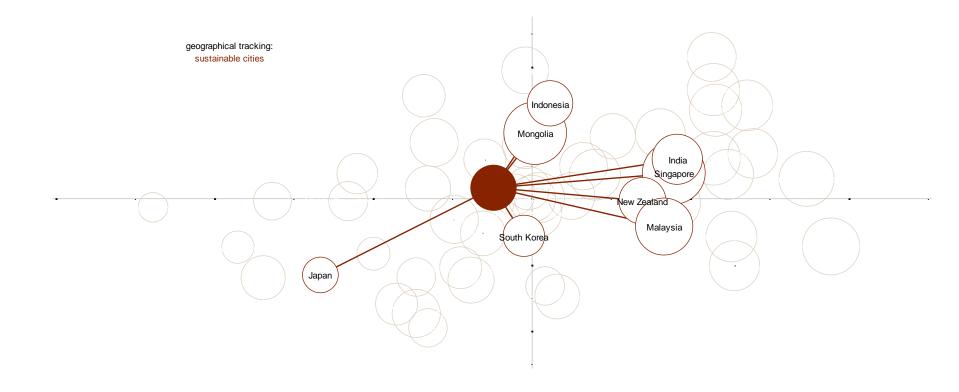


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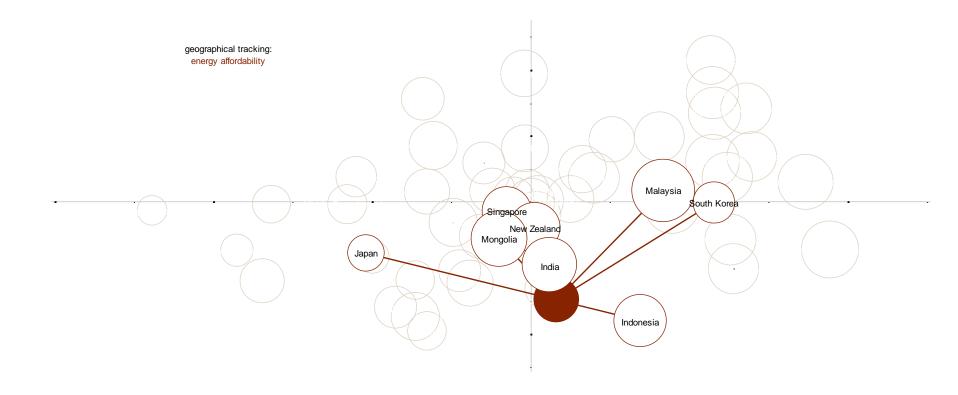


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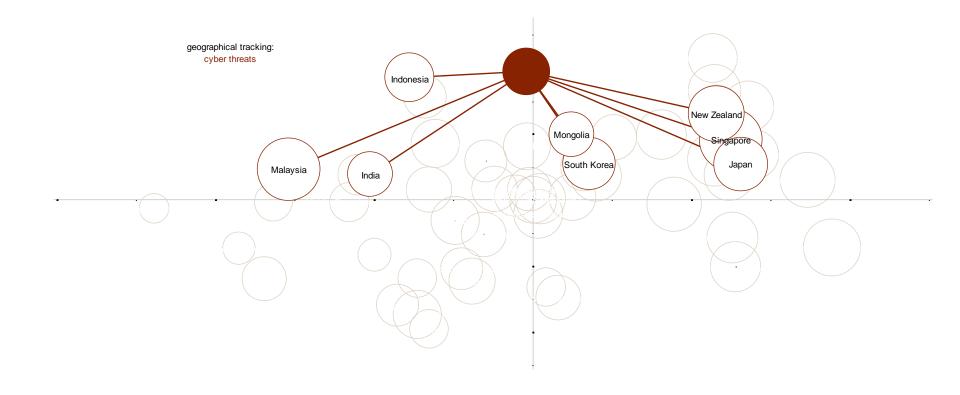




#### World Energy Issues Monitor 2018 New Zealand – Energy Affordability



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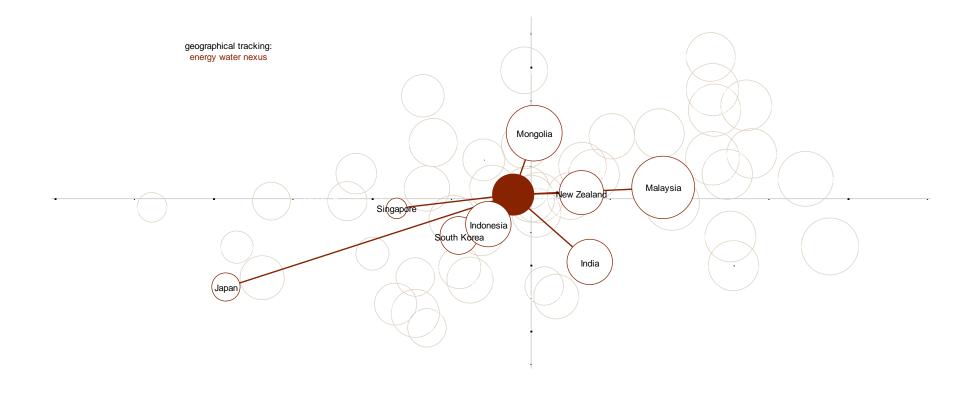






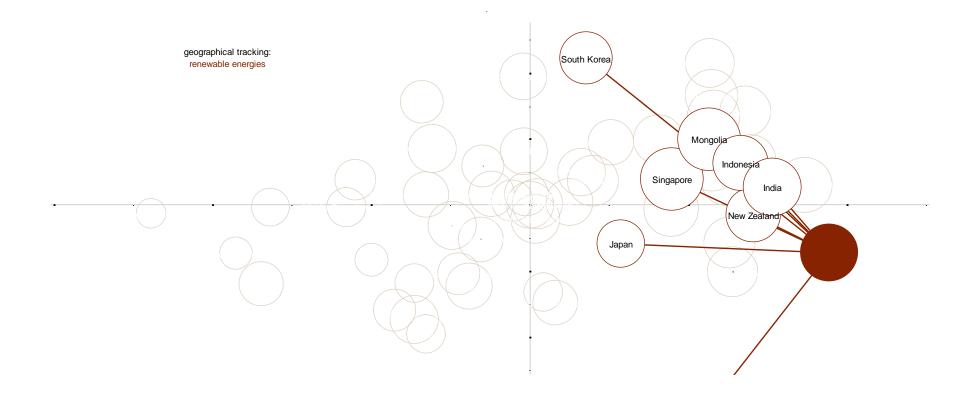


#### World Energy Issues Monitor 2018 New Zealand – Energy Water Nexus



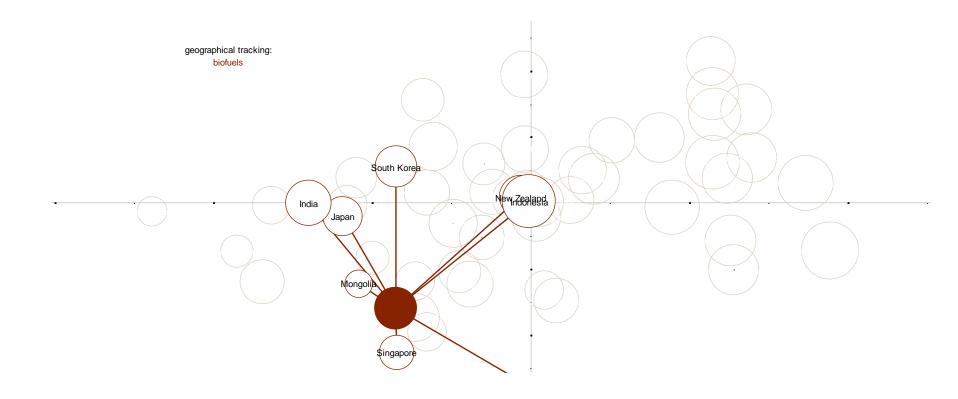


#### World Energy Issues Monitor 2018 B New Zealand – Renewable Energies



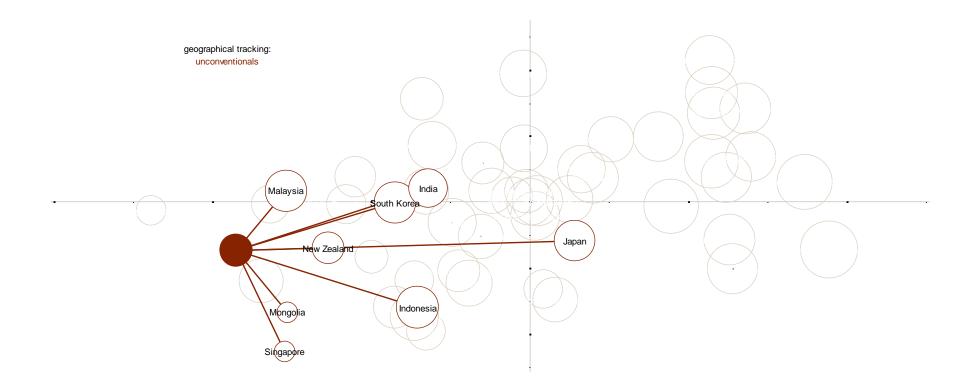


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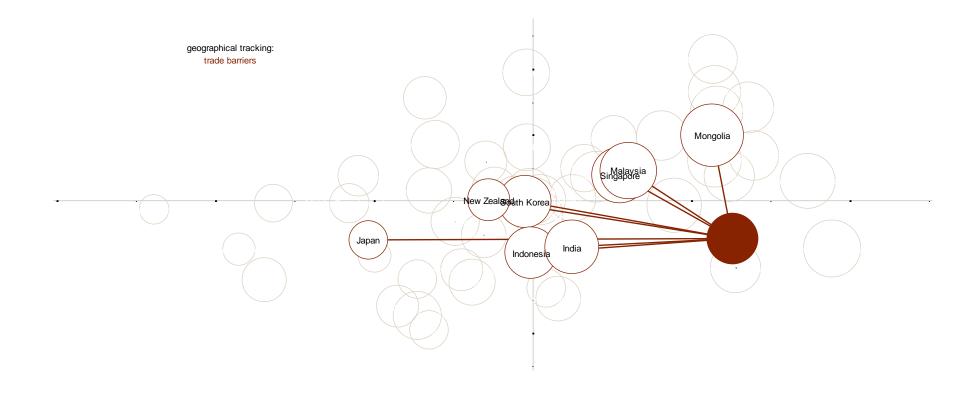




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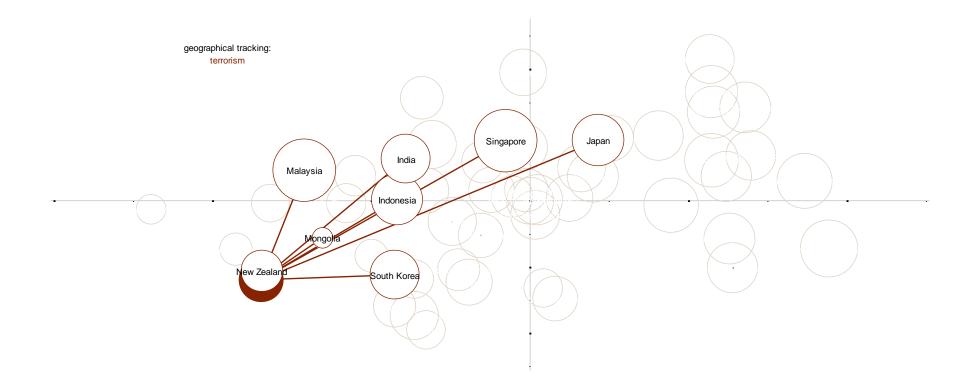


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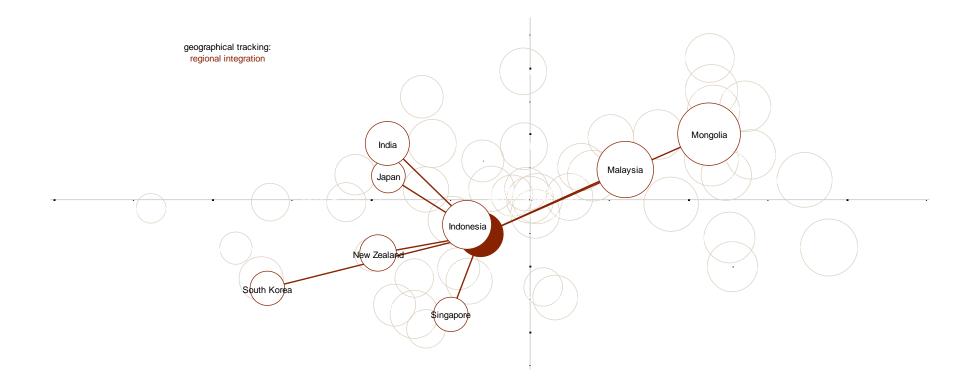


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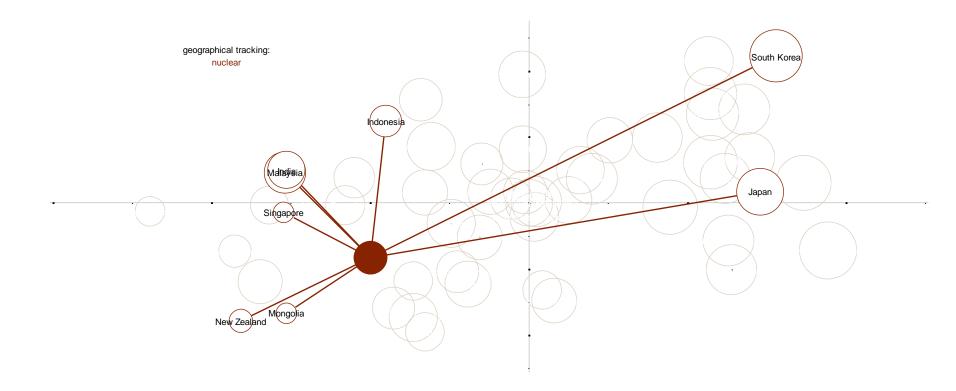


### World Energy Issues Monitor 2018





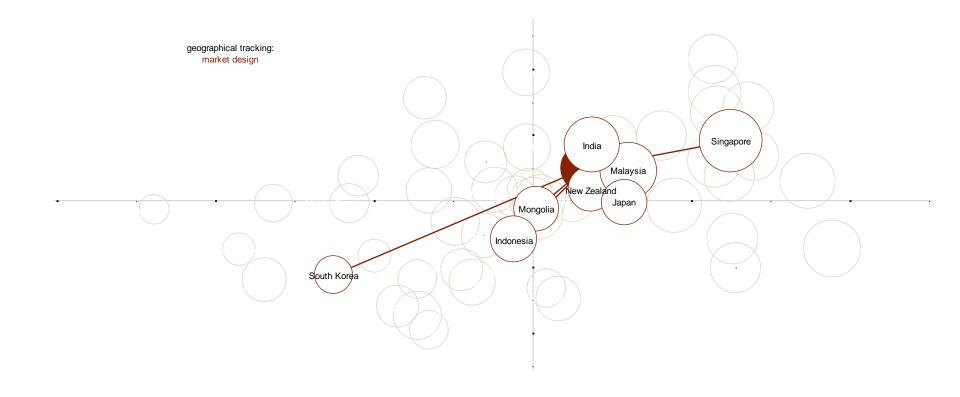
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### World Energy Issues Monitor 2018 BusinessNZ New Zealand – Middle East Dynamics

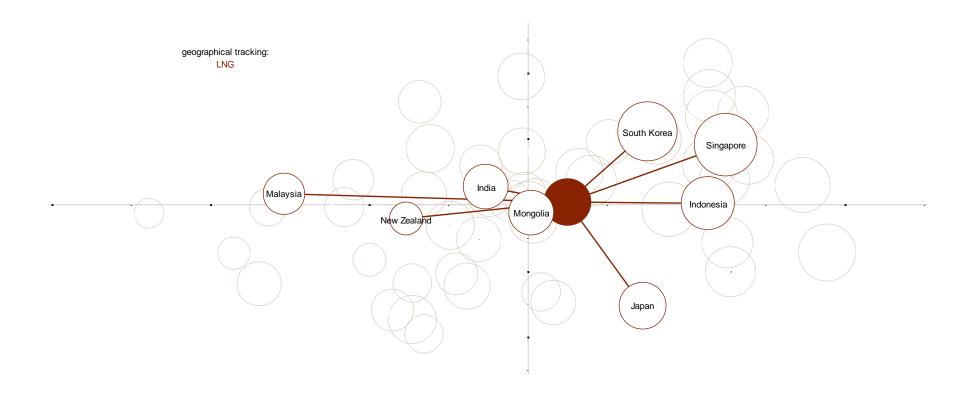


### World Energy Issues Monitor 2018 BusinessNZ New Zealand – Market Design



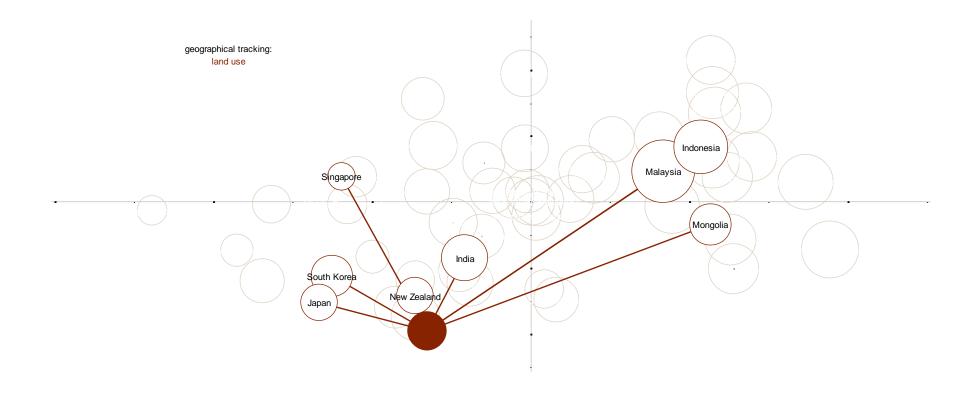


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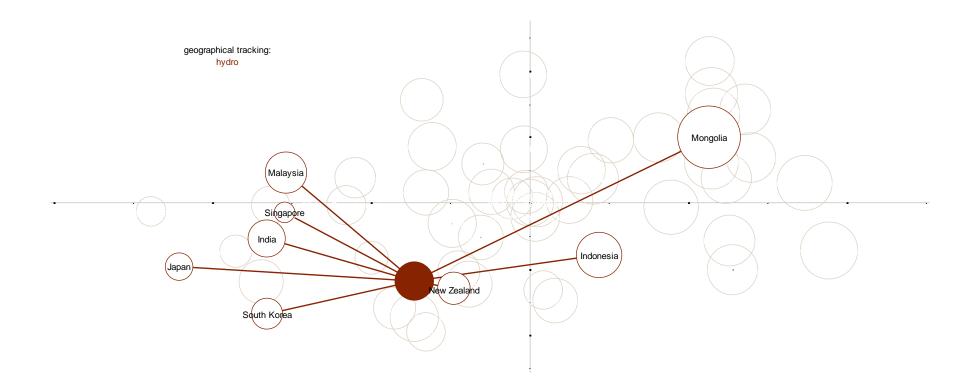


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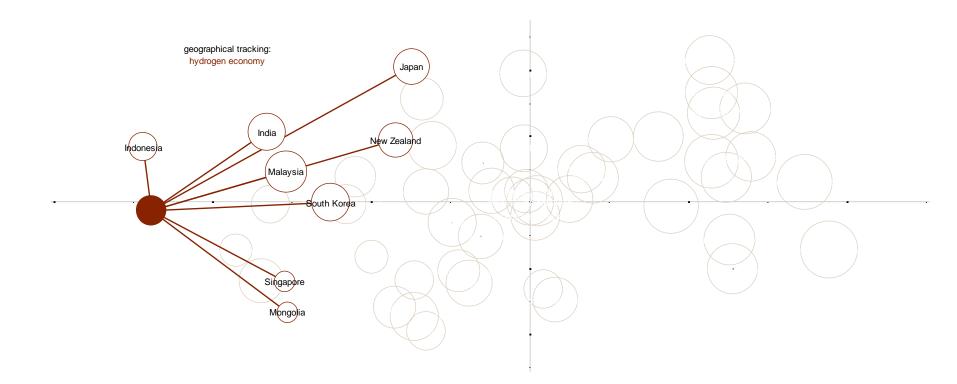




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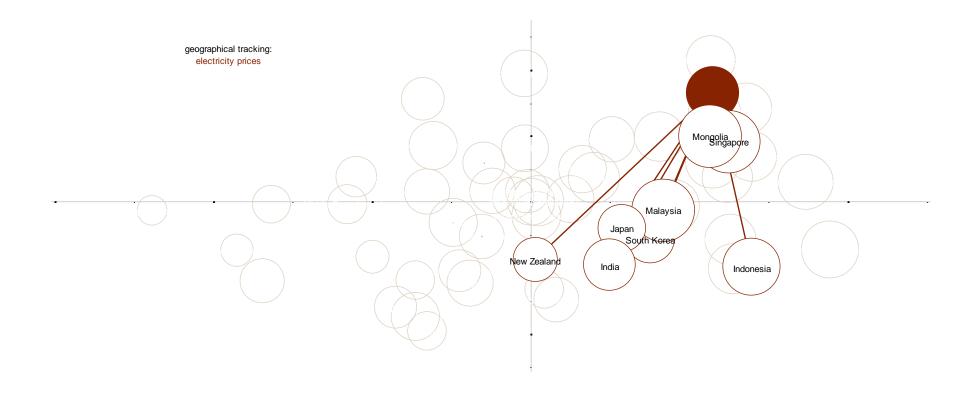


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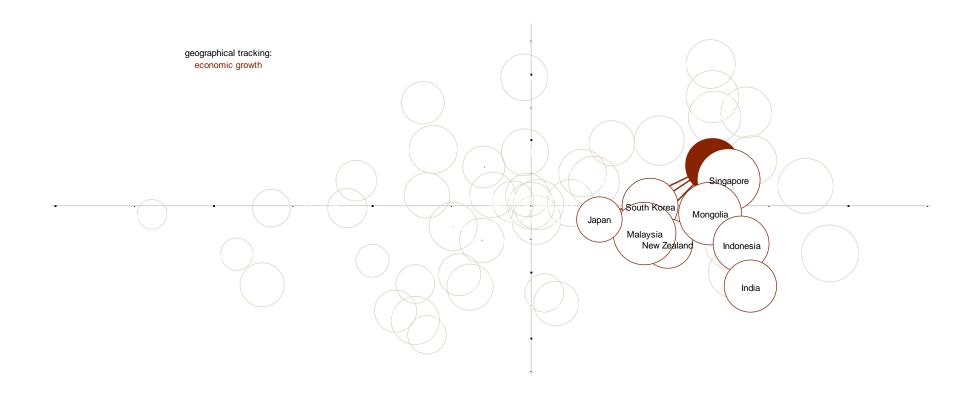


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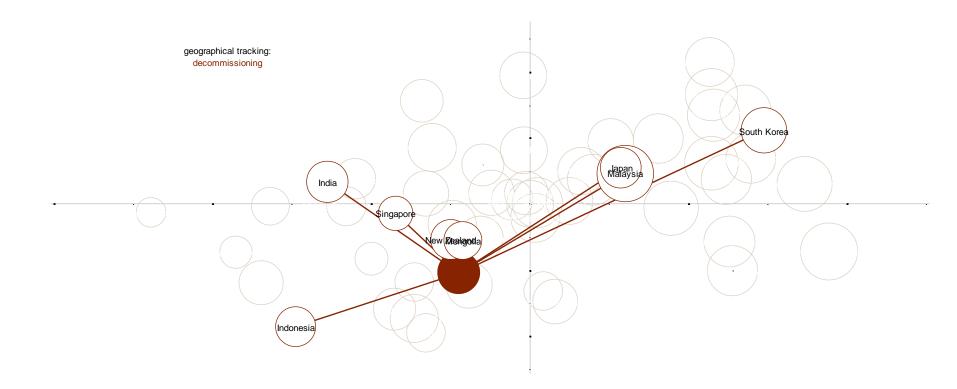


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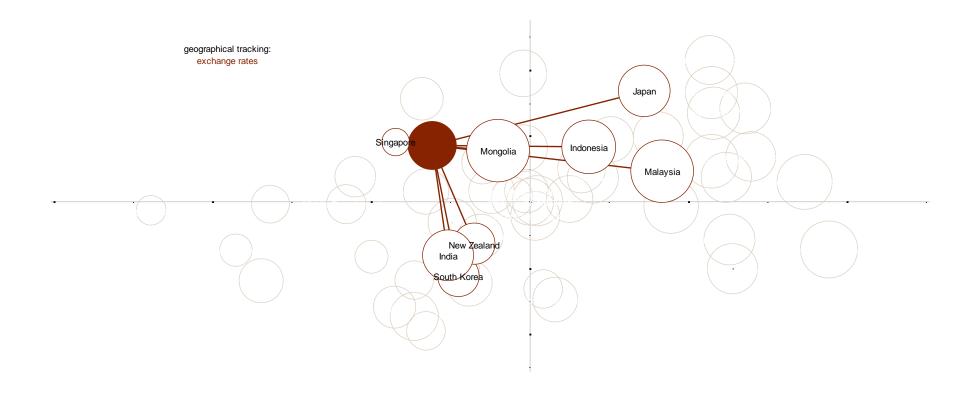


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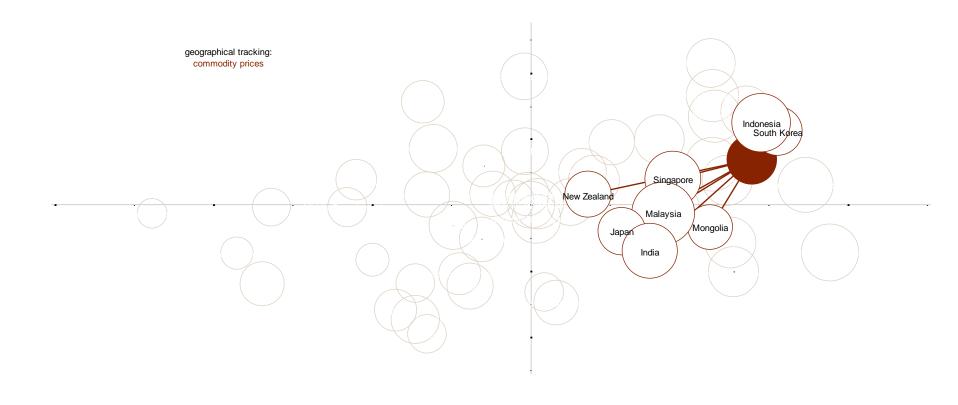


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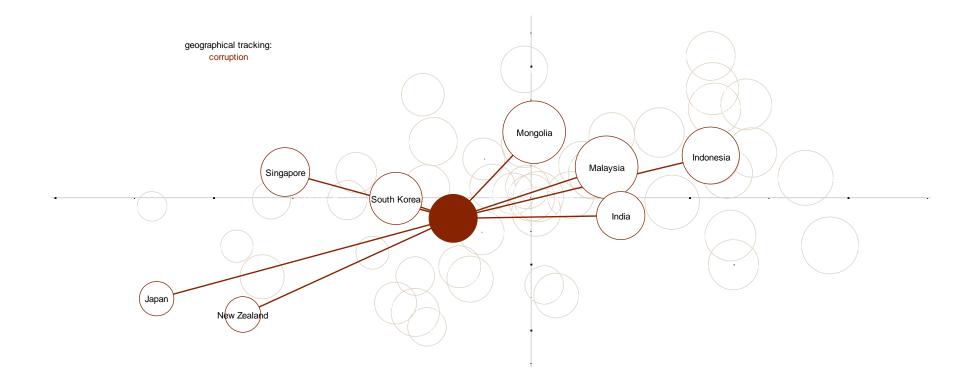


#### World Energy Issues Monitor 2018 Bus New Zealand – Commodity Price



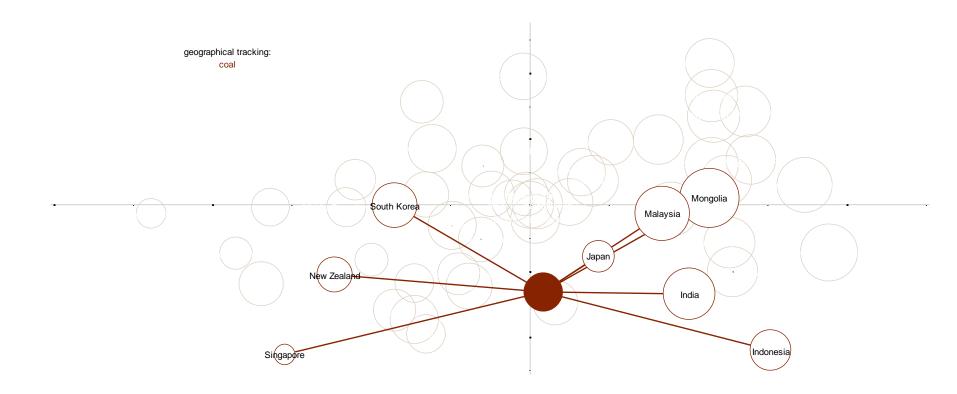


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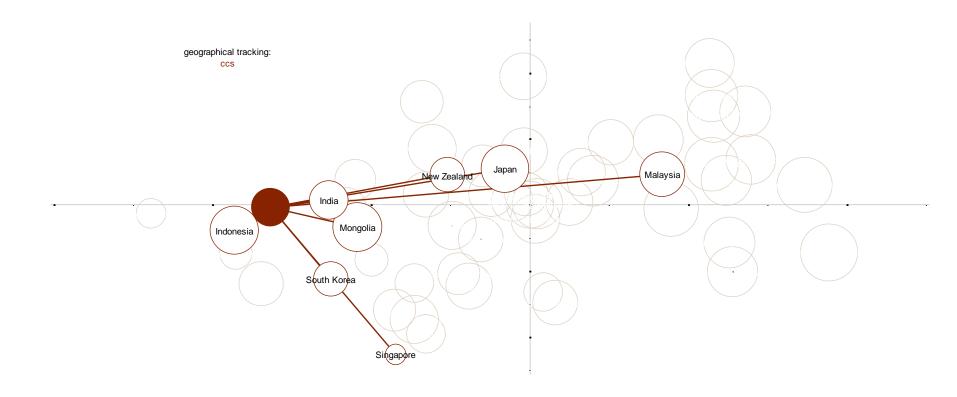


#### **World Energy Issues Monitor 2018** COUNCIL **New Zealand – Coal**



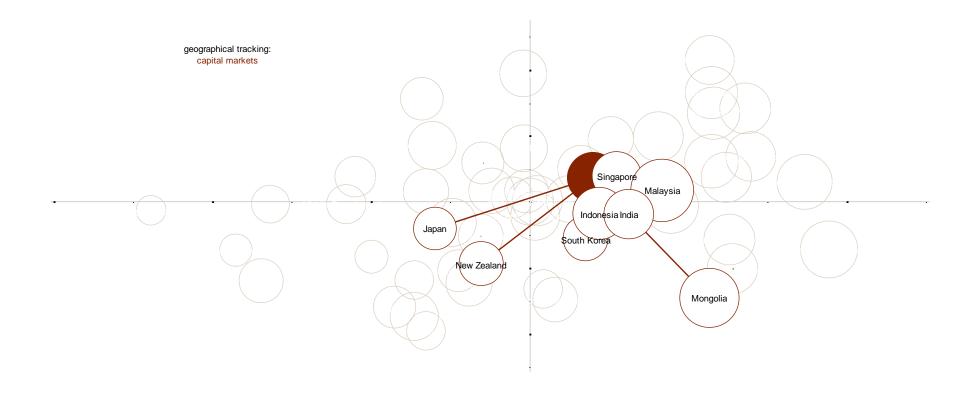


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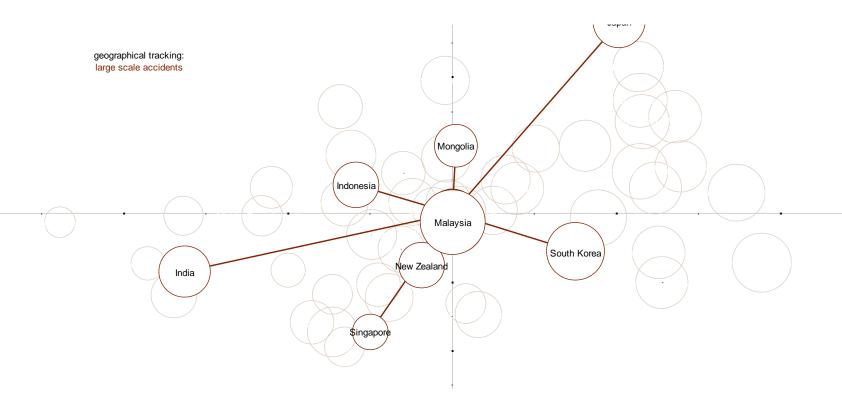




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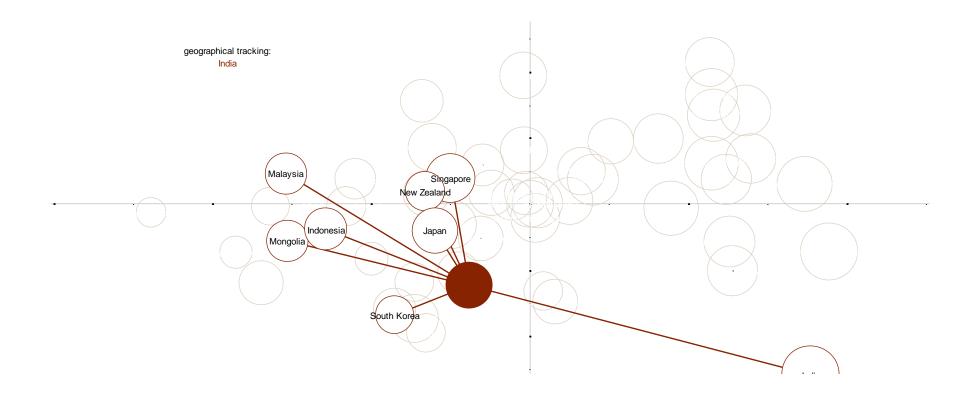


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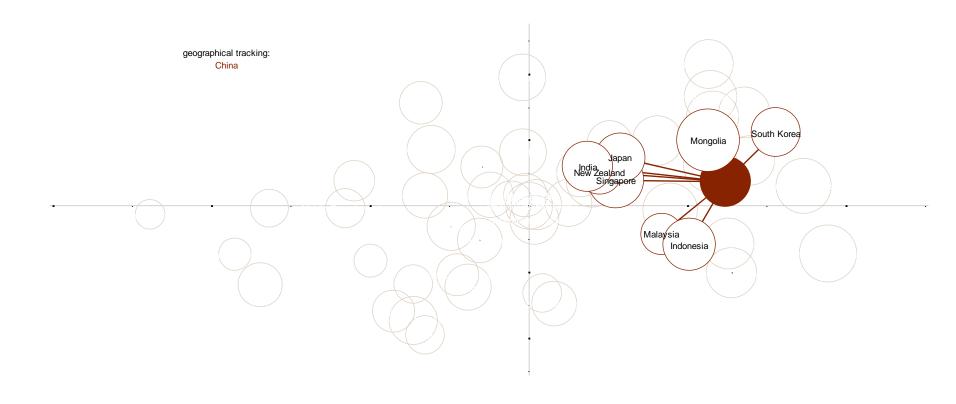


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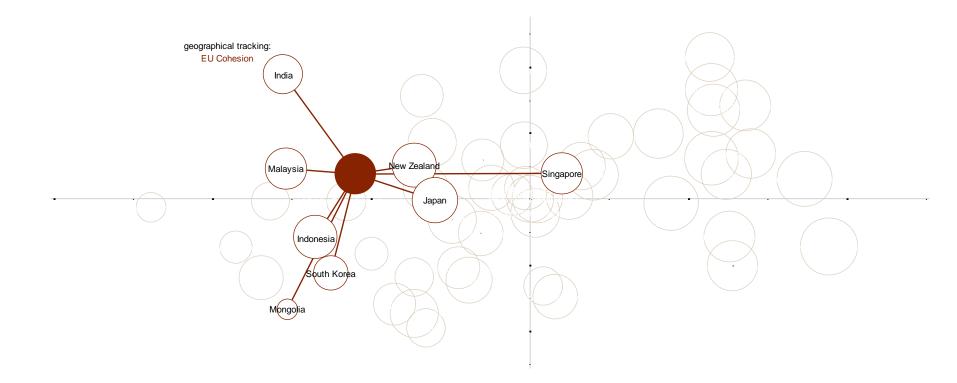




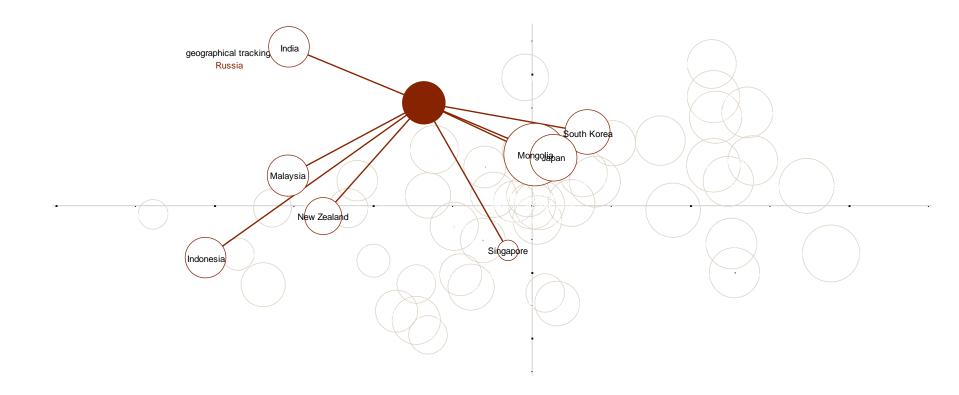
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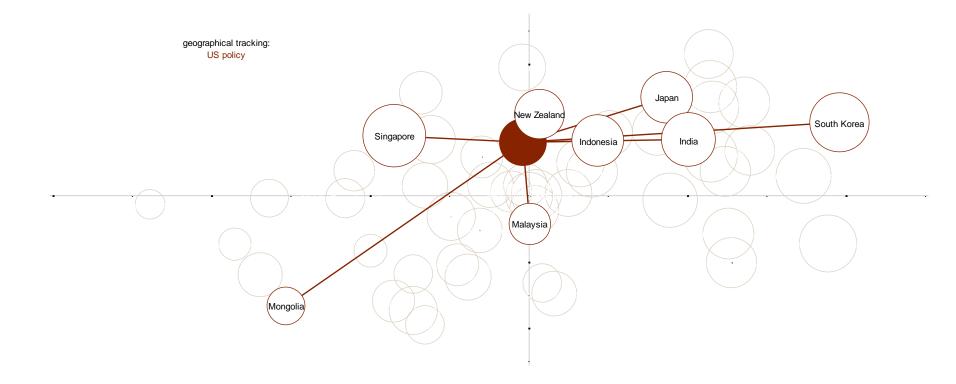


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#### World Energy Issues Monitor 2018 Bus New Zealand – US Policy





### End

#### For questions please contact Tina Schirr [tschirr@bec.org.nz]

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