



Arab Spatial 3.0

Development and Food Security Information Tool

Better information for better lives

Regional Multi Stakeholder Workshop on Food Security and Nutrition
Amman, Jordan
April 28-29, 2015
Perrihan Al-Riffai, IFPRI

A brief history of Arab Spatial

- Launched in January 2013
- Rationale for developing Arab Spatial:
 - Arab region is the most under-researched region in the world
 - Access to data is difficult
 - Scope for improving evidence-based decision making and monitoring and evaluation of socio economic performance and development projects
- To address these issues, IFAD and CGIAR-PIM financed the development of Arab Spatial
- More than 20,000 page views from 130 countries
- In 2014, development of several country-specific tools, including for Yemen, Iraq and Palestine and the first Arab Food and Nutrition Security Blog



Objectives

- Improve access to quality information
 - on food security and related development data
 - interactive mapping experience and analytical tools
- Learn from monitoring and evaluation
 - development progress
 - policies and projects
- Support decision and policy making
 - for policy makers, analysts, media and the public
 - through a mix of information and analytical tools



Arab Spatial

- ATLAS (online) for mapping and charting
 - Monitoring and evaluation
 - Tracking changes in development and food security outcomes
- BLOG
 - Sharing evidence-based analysis and recommendations to enliven and enrich the debate on food security in the Arab Region
 - Contribute to the implementation of solutions on the ground and to their evaluation.





أهلا بكم في الحيز العربي

معلومات أفضل لحياة أفضل



المدونة



الخريطة



معرض الخرائط



الإطار



الترجمه الى حيز آخر English / العربي

www.arabspatial.org

A Gallery of Maps



المدونة



الخريطة

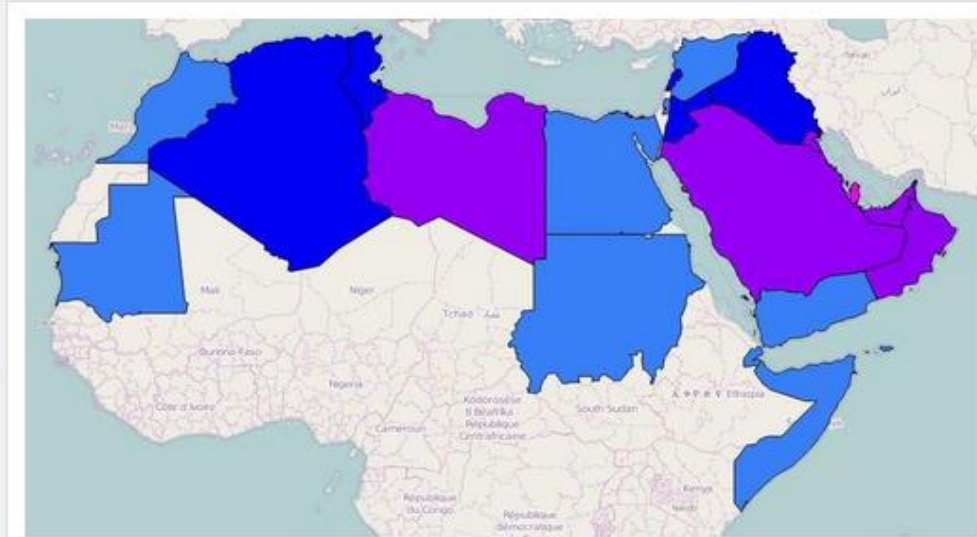


معرض الخرائط



الإطار

اكتشف الخرائط المميزة



إن العالم العربي متنوع- فيما يتعلق بمستويات دخل الفرد و الثروة من الموارد المعدنية



Demand for country-specific *Spatials*, for example Yemen, Iraq, Palestine



أداة متابعة الأمن الغذائي

يقوم حيز اليمن الإلكتروني برصد أهم مؤشرات الأمن الغذائي و أمن التغذية في اليمن. إن الهدف من هذا الحيز هو المساهمة في رؤية اليمن حتي " يتوافر لدى الشعب اليمني كافةً غذاء كافي ومغذي في كل الأوقات حتى يحيا حياة نشطة و صحية ، أي أن الشعب ككل يتمتع بأمن غذائي."



Arab Food and Nutrition Security Blog

Bloggers are diverse and write about key topics

	Regional/National Organization	International Organization
Macro-economy & Subsidies	Imed Drine	Olivier Ecker, Jean Francois Trinh Tan & Perrihan Al-Riffai
Trade & Transport	Moez El Shohdi	Eckart Woertz
Agriculture & Water	Heba Handoussa & Dyaa Abdou	Hafez Ghanem
Poverty, Health & Nutrition	Najib Saab; Abdul Wahed Mukred	Shenggen Fan; Abdesalam OuldAhmed; Gerda Verburg
Resilience & Shocks	Mahmoud Solh; Nadim Khouri; AFED	Khalida Bouzar; Perrihan Al- Riffai & Nerina Muzurovic

Coming Soon: N Hwalla, S. Devarajan, M. Saade, A. El Mahdi, S. Ghoneim, I. Elouafi and many more



المدونة



الخريطة



معرض الخرائط



الإطار

مدونة الأمن الغذائي و التغذية العربي

هل تُوَجَّح أسعار الغذاء المرتفعة والجفاف من النزاعات ؟

17 April 2015

المعهد الدولي لبحوث السياسات الغذائية، الفصل السابع من تقرير السياسات الغذائية العالمية 2014/2015 - تلخيص جاكوبو بورديجون
لقد شهد العالم في السنوات الأخيرة المزيد من النزاعات مثل ما يحدث في سورية و نيجيريا واليمن، ما الذي يفسر هذه النزاعات و ما هي الأسباب الجذرية للعنف الأهلي المستمر...



الحرب الأهلية تشعل انعدام الأمن الغذائي على نطاق أوسع في اليمن

17 April 2015

ملخص حول تحديث مشروع نظام معلومات الأمن الغذائي الخاص بمنظمة الأغذية و الزراعة فيما يتصل باليمن (مارس 2015) - إعداد: جاكوبو بورديجون
يتزايد عدد الجوعى و الفقراء في اليمن في الوقت الراهن مع انتشار النزاع الأهلي في مناطق أخرى من البلاد. ووفقا لآخر تحديث لمشروع نظام معلومات الأمن الغذائي الخاص بمنظمة الأغذية...



العمل مع الانسياب لتحقيق إصلاح منظومة الدعم في منطقة الشرق الأوسط و شمال إفريقيا

09 April 2015

دانيال ريسنيك، زميل باحث بالمعهد الدولي لبحوث السياسات الغذائية
حيث أن الكثير من الإصلاحات الداعمة للفقراء تؤدي إلى تبعات متصلة بإعادة التوزيع، فإنها عادة ما تولد مجموعة من الراحين و الخاسرين المتصورين. بناءً عليه، فإن عمليات الإصلاح تتحرف بسرعة...



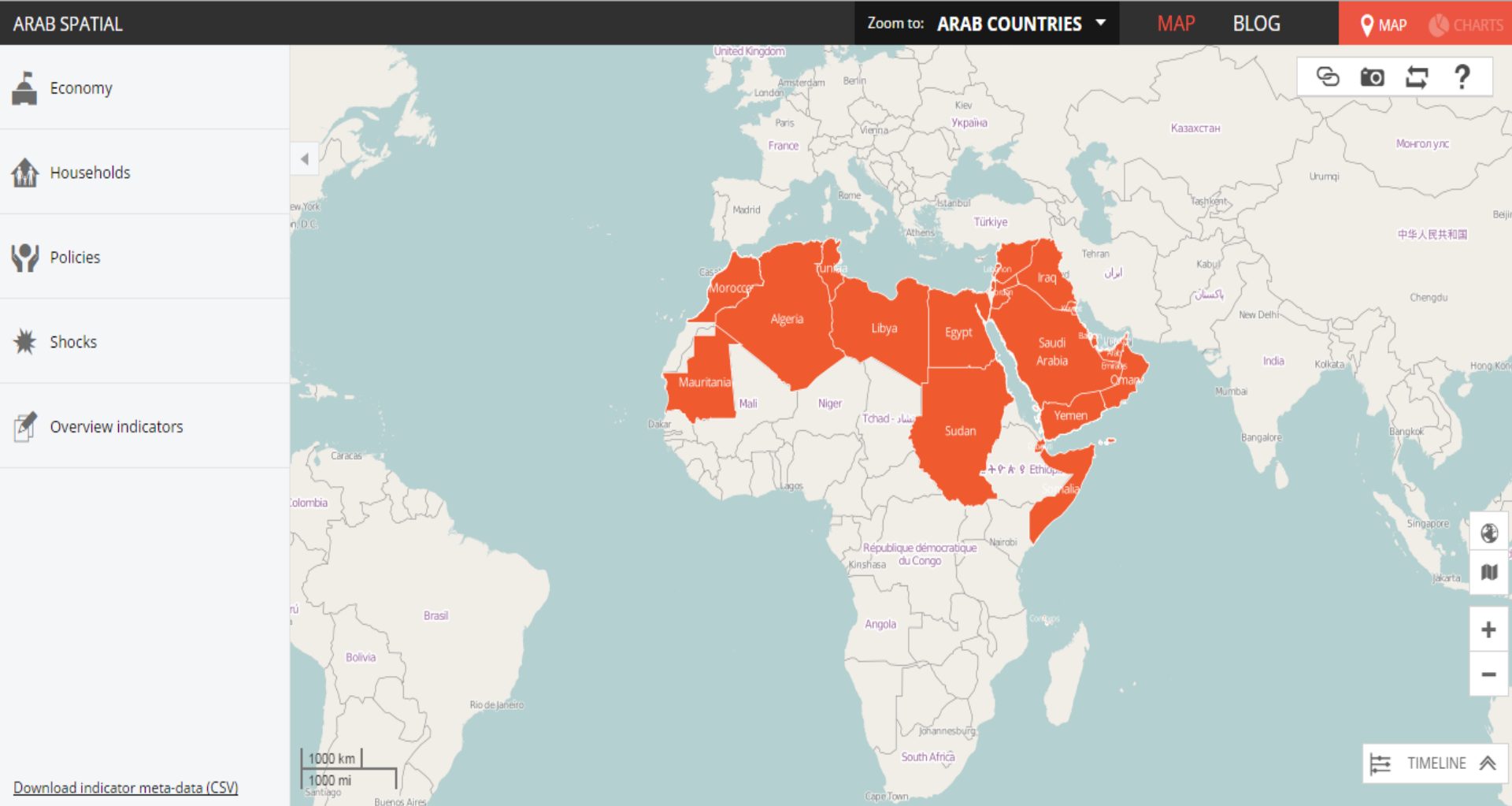
English Blog Site: <http://www.arabspatial.org/blog/>
Arabic Blog Site: <http://www.arabspatial.org/blog/arabic>





Arab Spatial Atlas

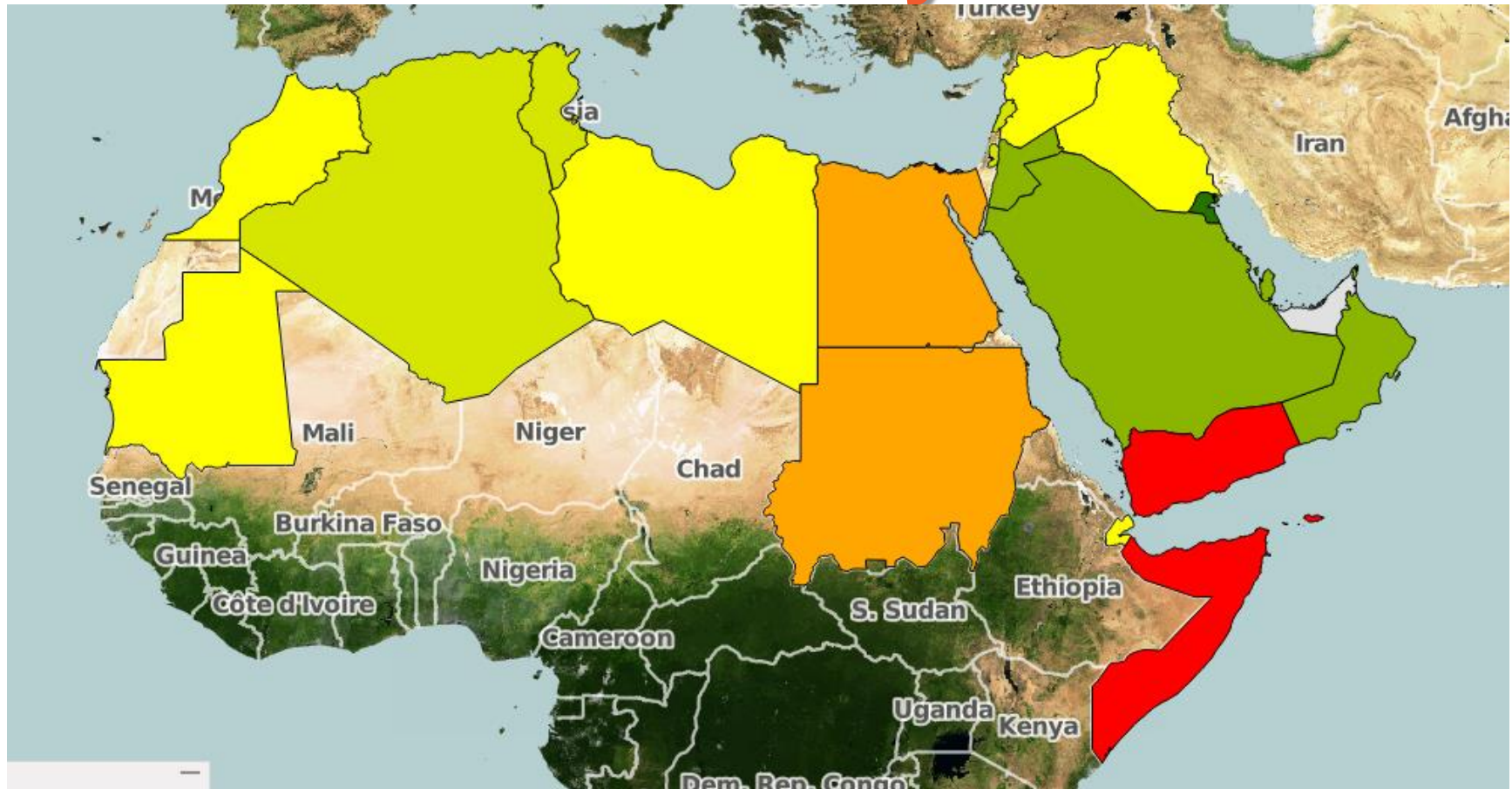
Arab Spatial Atlas



Mapping Tool



Identify Areas Vulnerable to Food Insecurity

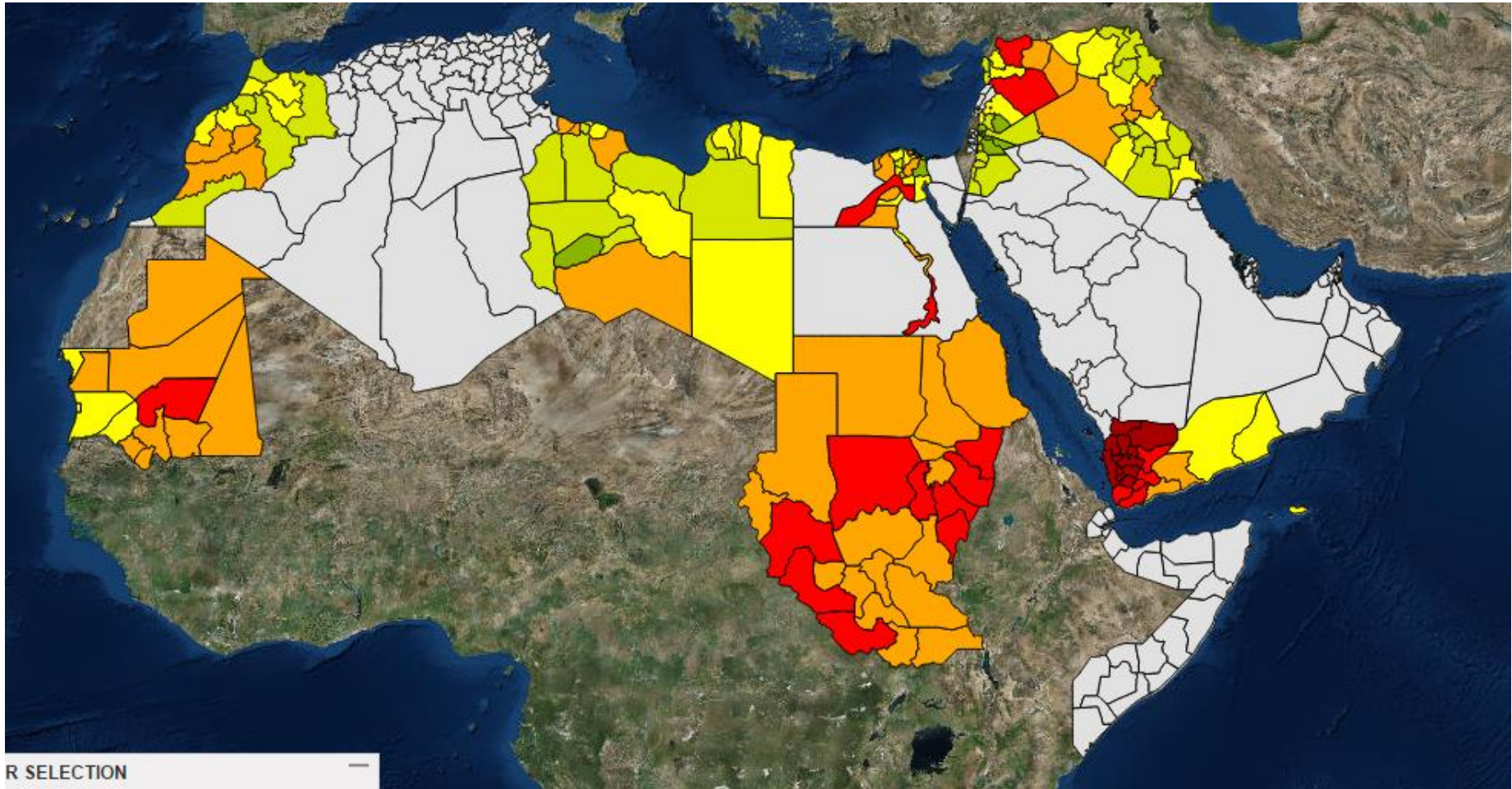


Child malnutrition rates are particularly high in Yemen and Somalia.

Link to map: http://www.arabspatial.org/map.html?zoom=5&lat=26.60817437403311&lng=31.3330078125&bm=NationalGeographic&id=MENA&lang=lang1&indicators=MENA_stunt_0_year::1990:1 (Note: Select the "Latest" function on the timeline)



Even at the Sub-national Level

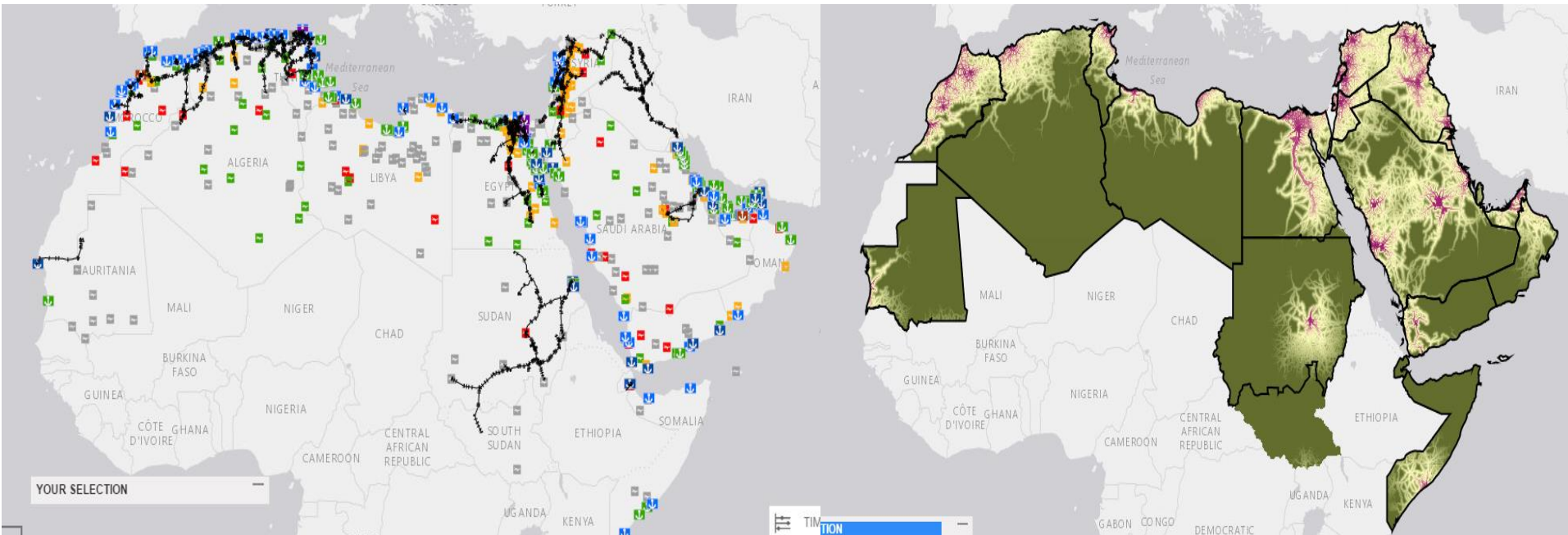


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Investment in Infrastructure and Access to Cities



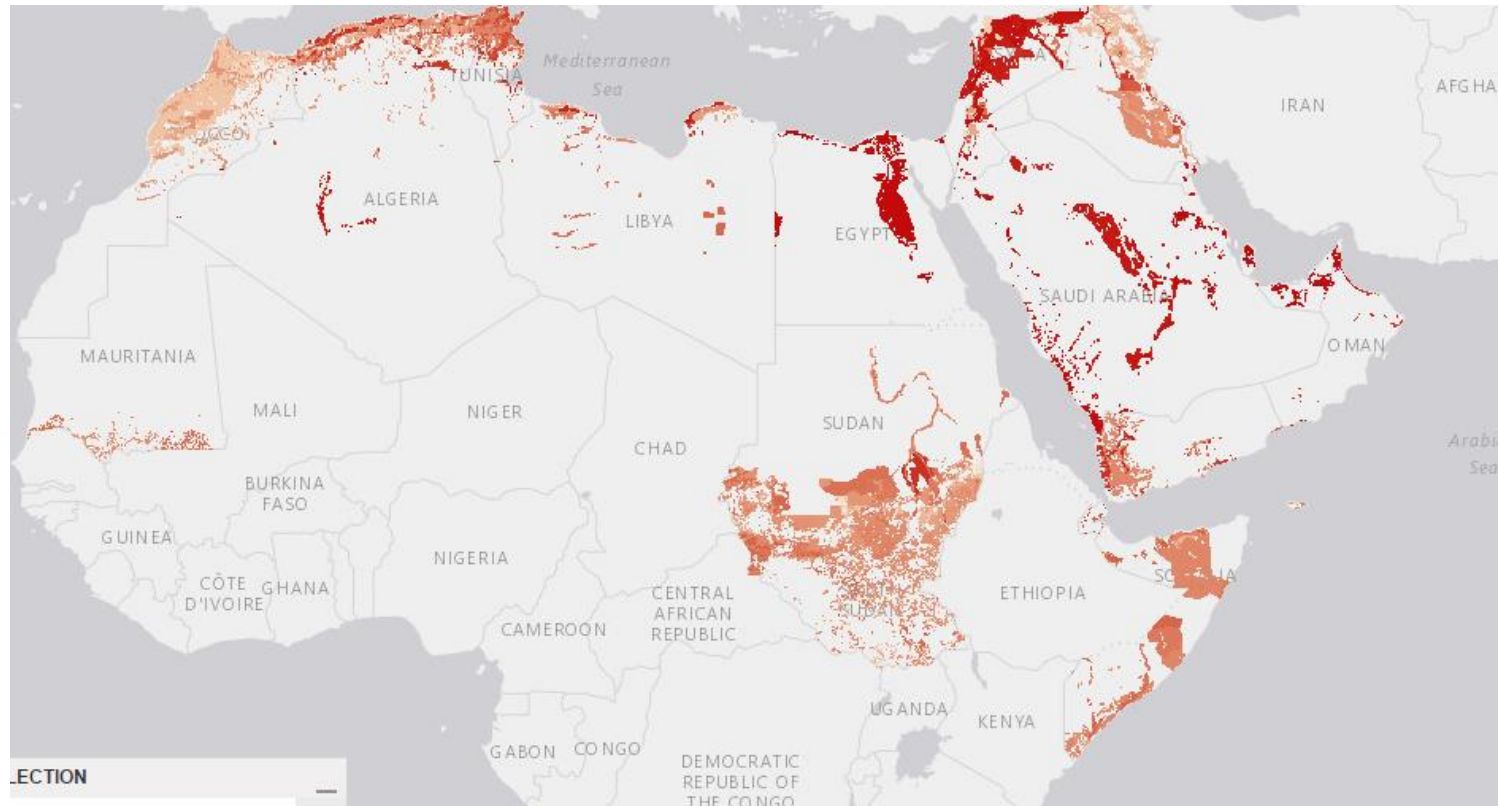
- ❖ Display physical infrastructure that enables populations to have access to local and international food markets such as ports, airports, railroads.

Link to map: http://www.arabspatial.org/map.html?zoom=4&lat=22.79643932091949&lng=21.0498046875&bm=LightGray&id=MENA&lang=lang1&indicators=MENA_rail_vmap0_-1_constant:::1|MENA_wpi_-1_year:::1|MENA_airports_-1_year:::1

- ❖ Display access to large cities (travel time expressed in hours).

Link to map: http://www.arabspatial.org/map.html?zoom=4&lat=22.79643932091949&lng=21.09375&bm=LightGray&id=MENA&lang=lang1&indicators=MENA_boundary_admin0::1990:1|MENA_a_500ki_-1_year:::1

Closing Yield Gaps



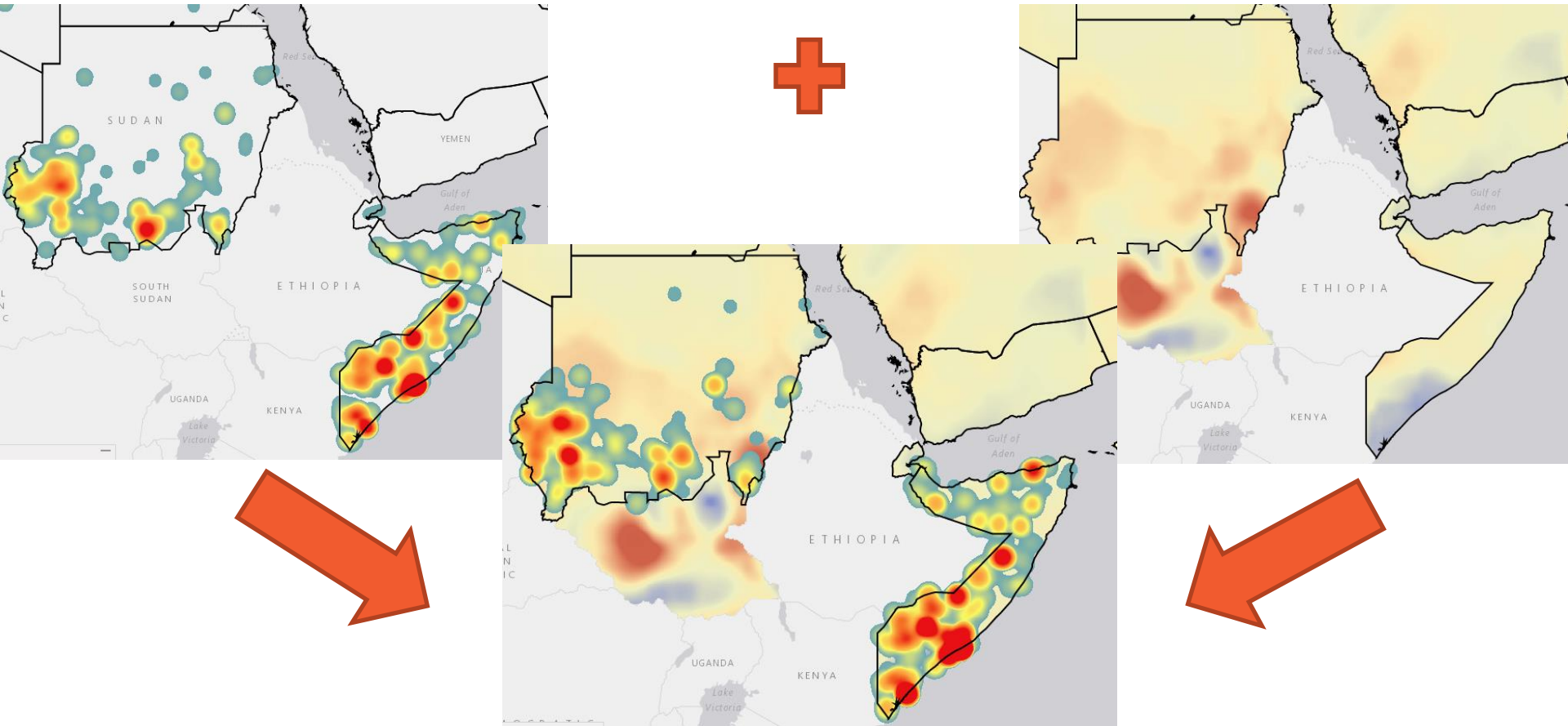
Display the spatial distribution of wheat and maize yields at the pixel level (expressed in kg/hectares), and visualize in detail which areas have the highest and lowest wheat yields across the region.

Link to map:

http://www.arabspatial.org/map.html?zoom=4&lat=13.966054081318301&lng=21.4013671875&bm=LightGray&id=MENA&lang=lang1&indicators=MENA_yield_maize -1_constant:::1|MENA_yield_wheat -1_constant:::1



Compare Multiple Indicators



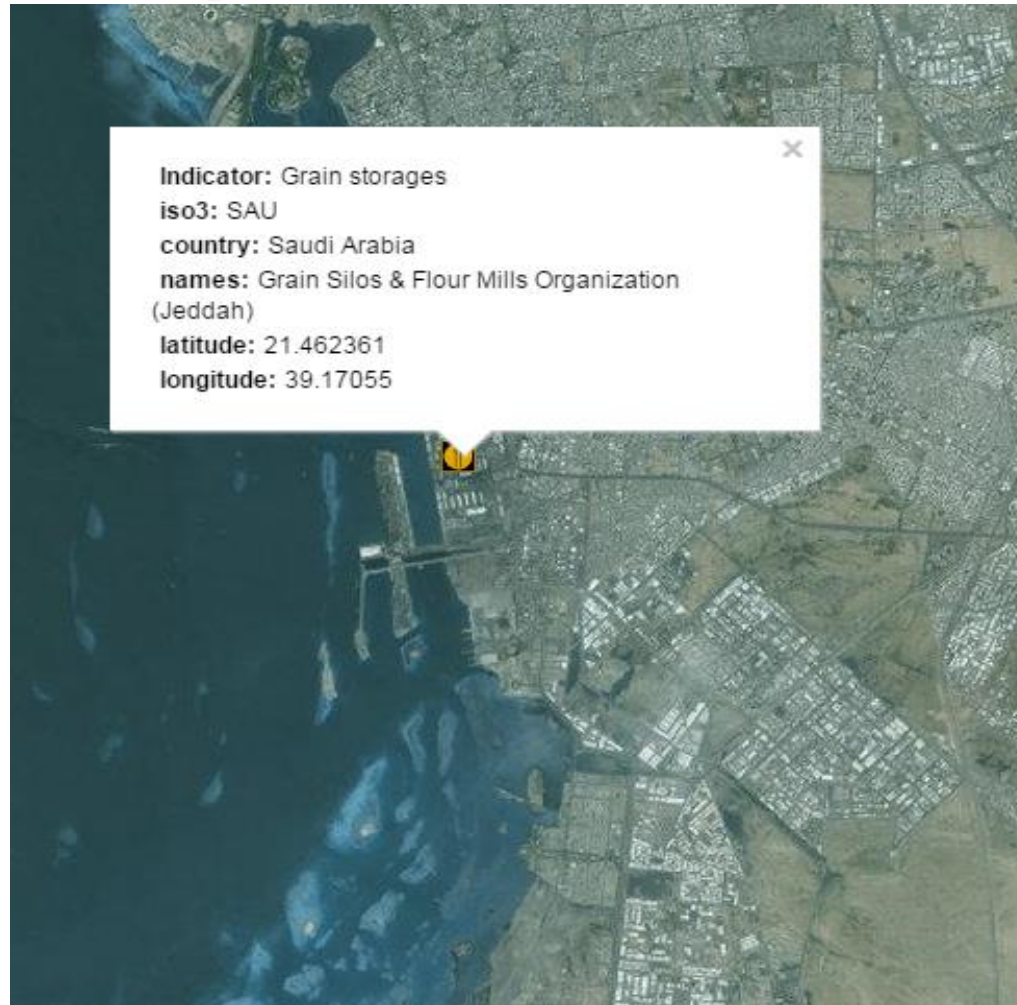
Users can visually analyze how long term changes in precipitation relate to spatial patterns of conflict in Sudan and Somalia.

[Link to maps:](http://www.arabspatial.org/map.html?zoom=5&lat=12.961735843534294&lng=31.3330078125&bm=LightGray&id=MENA&lang=lang1&indicators=MENA_kdnorthernafricavio_1_year::2012:1|MENA_boundary_admin0::2012:1|MENA_abs_i_r_-1_year:::1)

http://www.arabspatial.org/map.html?zoom=5&lat=12.961735843534294&lng=31.3330078125&bm=LightGray&id=MENA&lang=lang1&indicators=MENA_kdnorthernafricavio_1_year::2012:1|MENA_boundary_admin0::2012:1|MENA_abs_i_r_-1_year:::1



Zoom-in to Specific Points of Interest

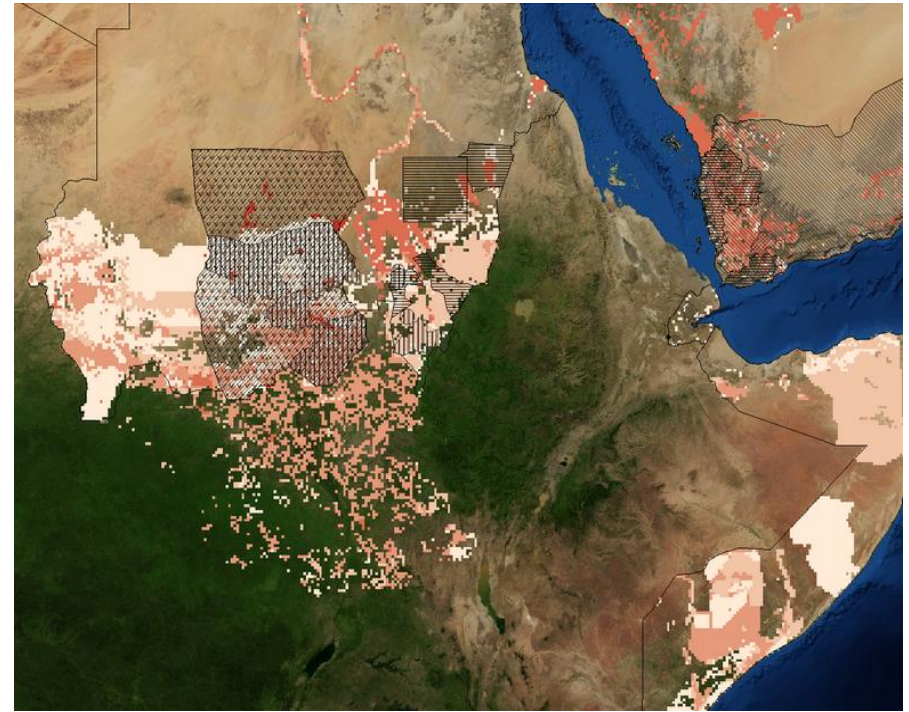
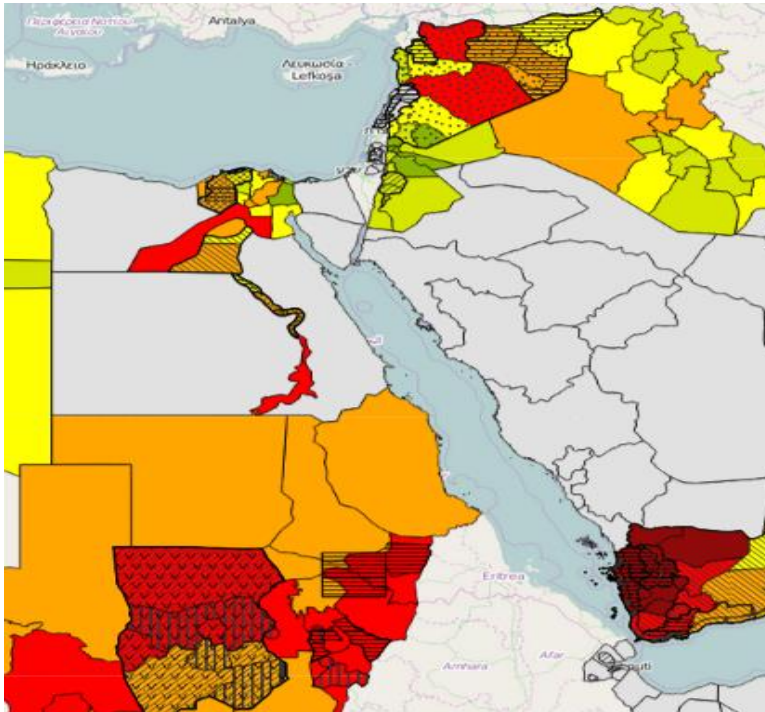


The zoom-in function and World Imagery base layer to visualize areas and points of interest in fine detail.
Link to map:

<http://www.arabspatial.org/map.html?zoom=12&lat=21.444281115086724&lng=39.14274215698242&bm=World Imagery&id=MENA&lang=lang1&indicators=MENA silos -1 year:::1>



A Valuable Tool for Targeting



Visualize whether interventions are situated in areas which are most vulnerable to food insecurity.

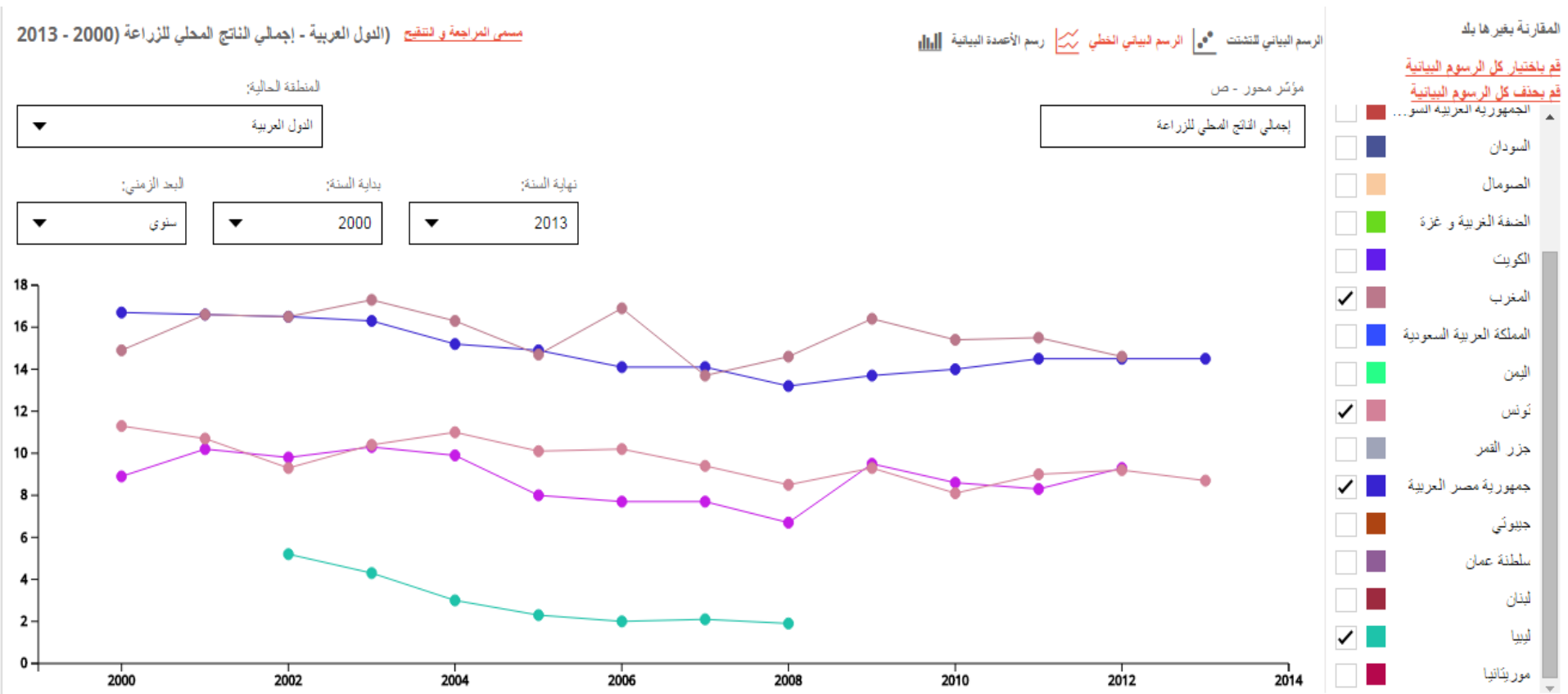
Link to left map: http://www.arabspatial.org/map.html?zoom=5&lat=26.60817437403311&lng=31.3330078125&bm=LightGray&id=MENA&lang=lang1&indicators=MENA_stunt_2_year:1::|MENA_IFAD_NEN_prj_ongoing_-1_constant:::1 (Note: Select the “Latest” function on the timeline)

Link to right map: http://www.arabspatial.org/map.html?zoom=5&lat=26.60817437403311&lng=31.3330078125&bm=WorldImagery&id=MENA&lang=lang1&indicators=MENA_yield_sorghum_-1_constant:::1|MENA_IFAD_NEN_prj_ongoing_-1_constant:::1

Charting Tool



Visualize indicators in a chart: Agriculture GDP (% of GDP)

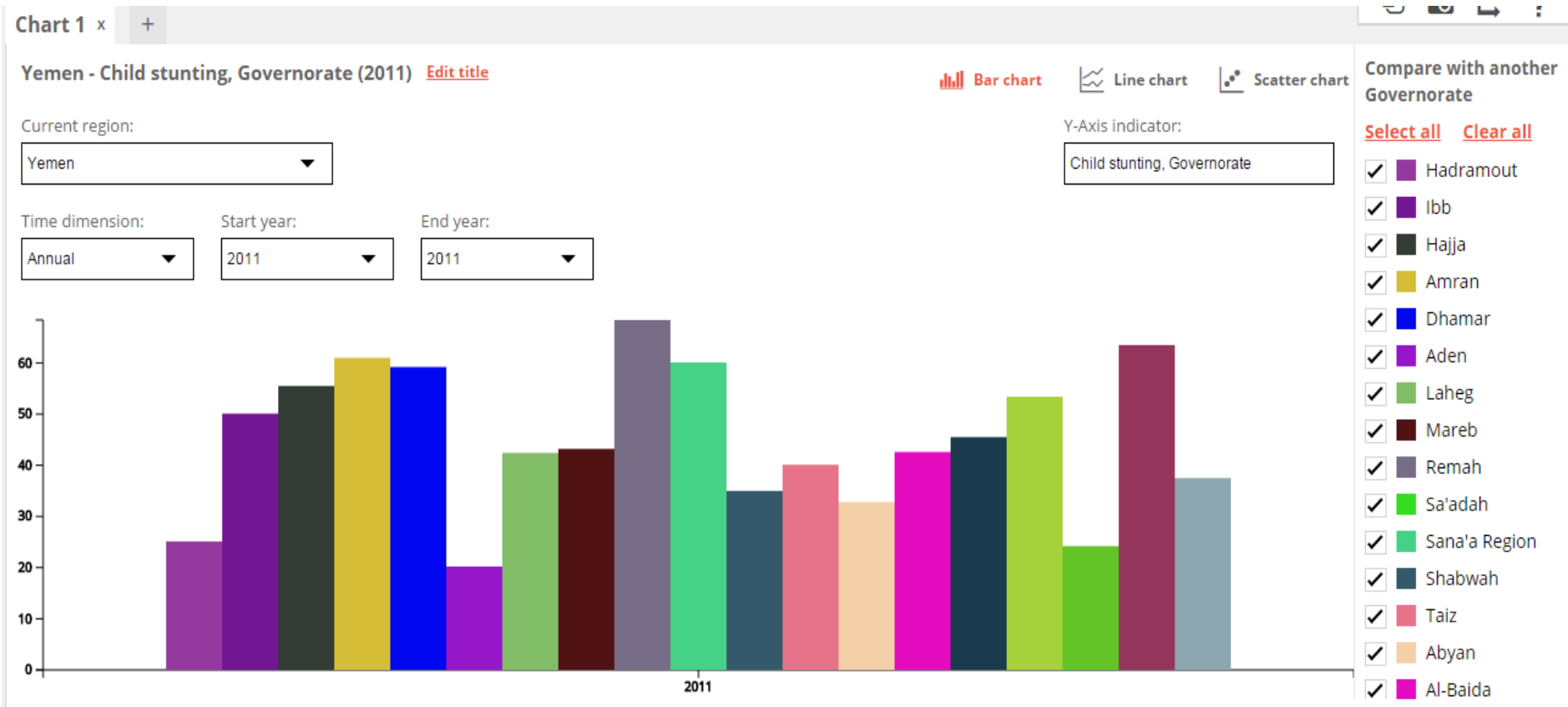


The “Analytics” functions allows users to visualize the selected indicators in a bar, line or scatter chart.
Link to Map:

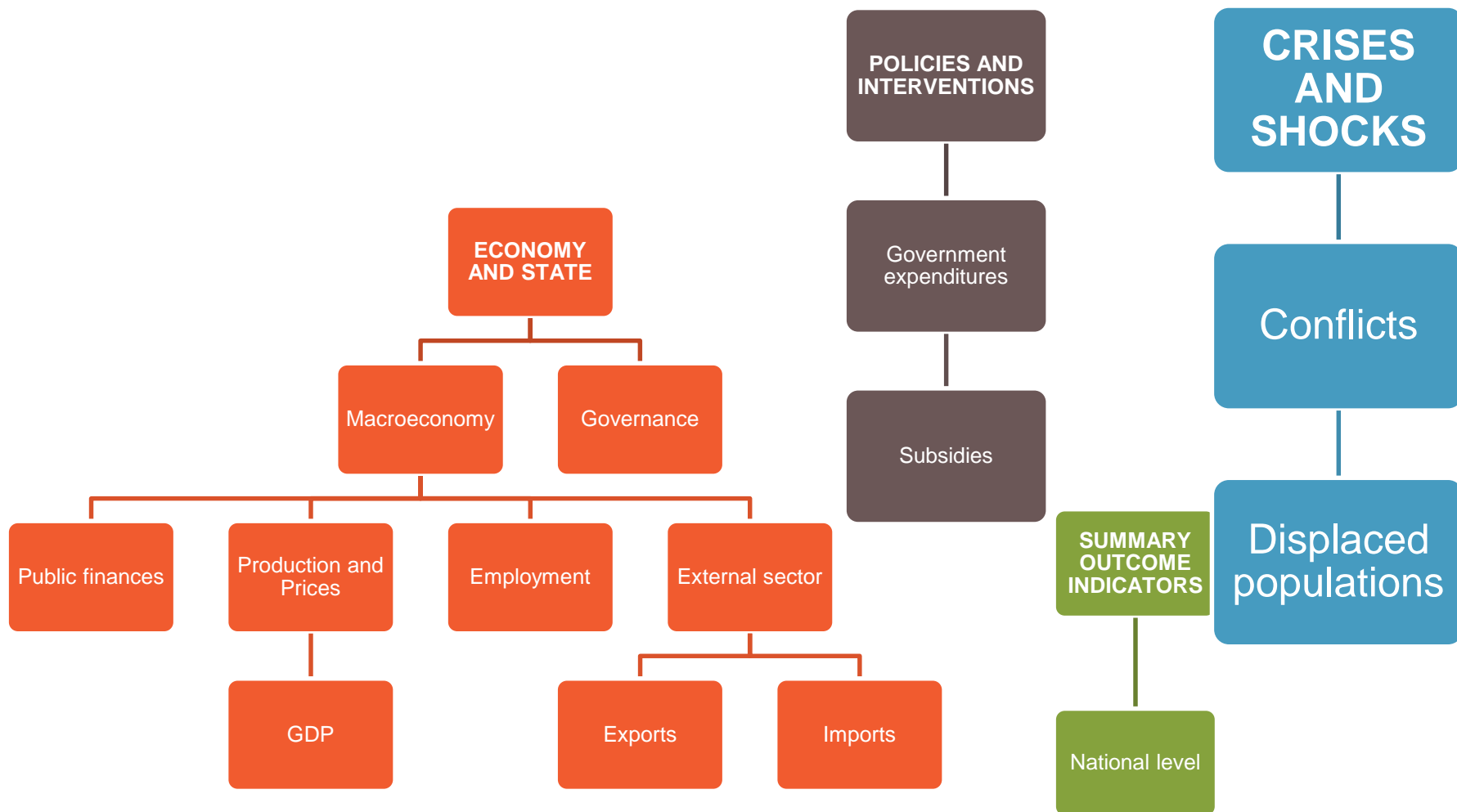
http://www.arabspatial.org/map.html?zoom=4&lat=13.966054081318301&lng=21.357421875&bm=StandardOpenStreetMap&id=MENA&lang=lang2&indicators=MENA_agrgdp_0_year::1990:1



Visualize indicators in a chart: Child stunting by governorate, Yemen



As of today, many indicators have been updated to 2013 & 2014



www.arabspatial.org



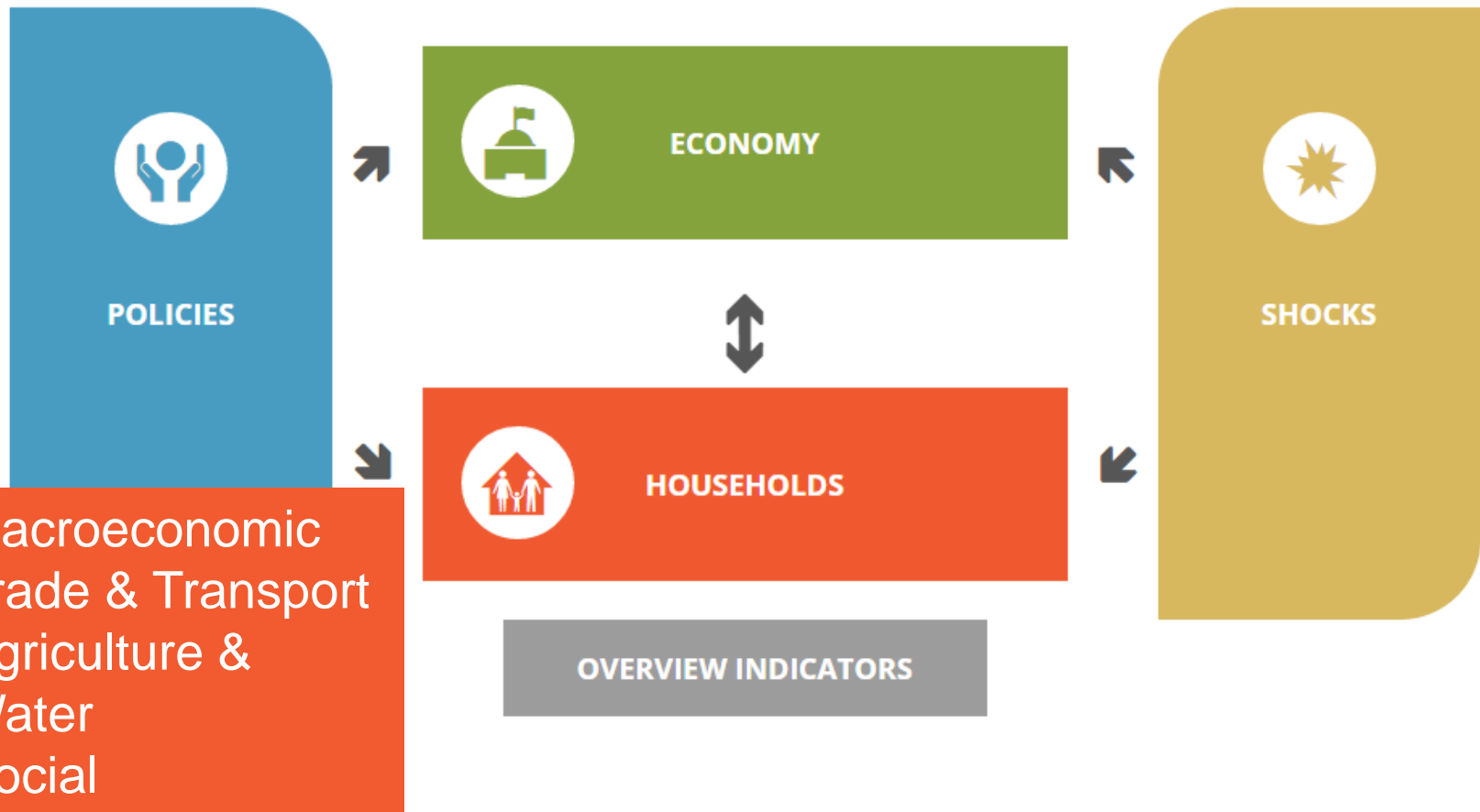


Arab Spatial Policy Analyzer (coming soon)

Preliminary Findings based on Growing Database

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Clemens Breisinger, IFPRI

Closing the Policy Information Gap



- Macroeconomic
- Trade & Transport
- Agriculture & Water
- Social

Where We Stand: Countries and Data Sources

9 Countries Represented from 2006 to 2015

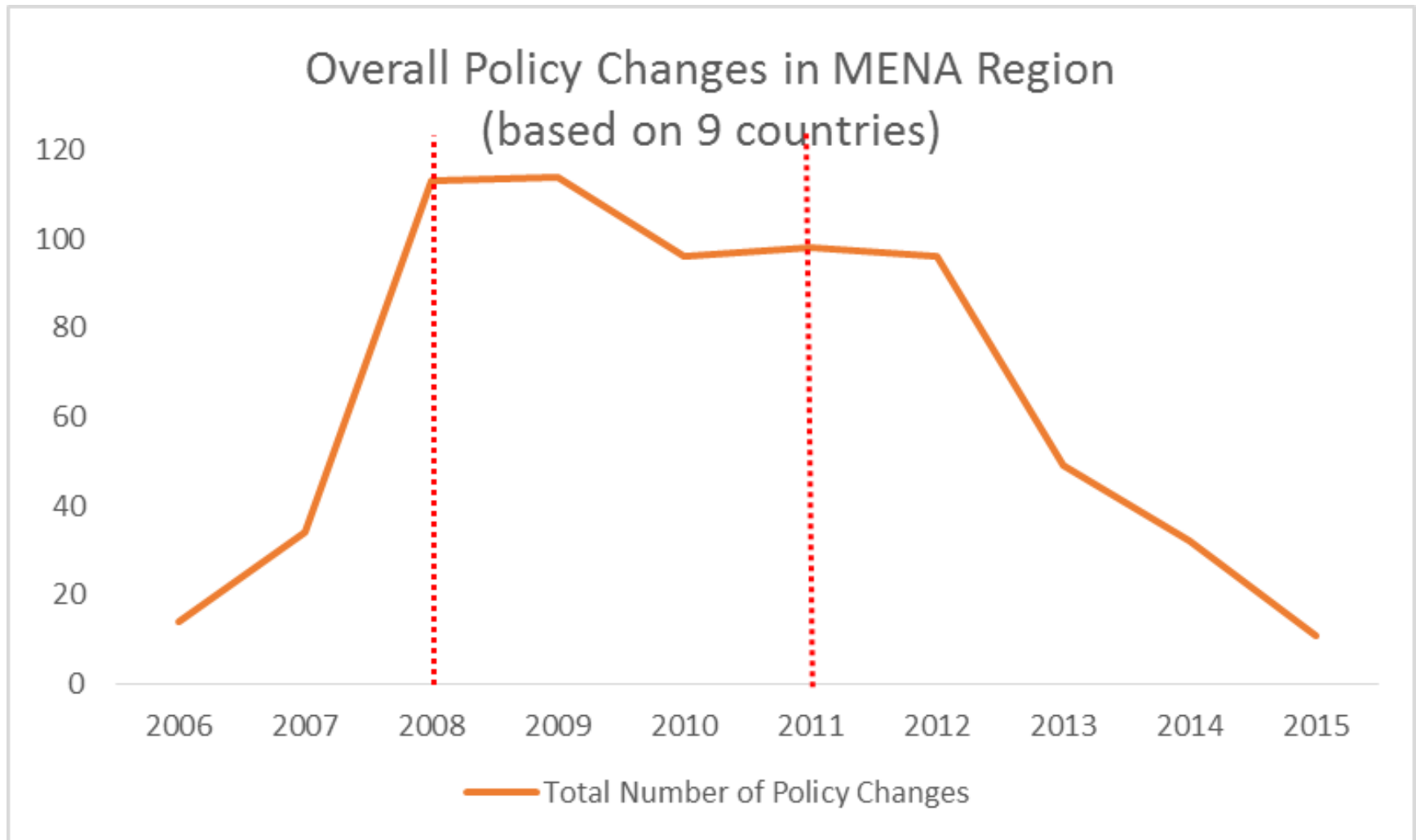
Algeria, Egypt, Iraq, Jordan, Lebanon, Saudi Arabia, Sudan, Tunisia & Yemen

4 Sources of Information

- Economist Intelligence Unit
- FAO Food Policy Decision Analysis Tool
- FAOLEX Legal Archives
- GAIN Reports of USDA-FAS

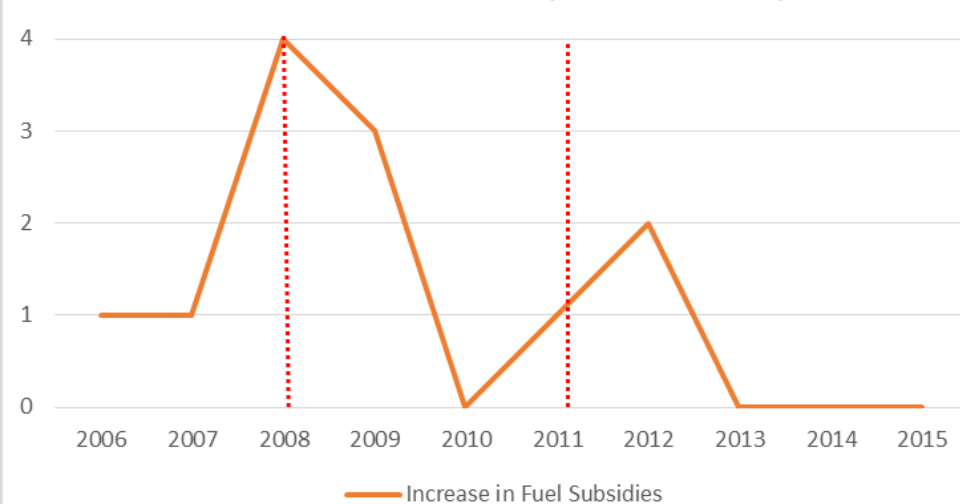


In Times of Crisis, Policy Activity Tends to Increase



But Often These Policies are Expensive and not Well Targeted to the Poor and Food Insecure

Increase in Subsidies (Food and Fuel)

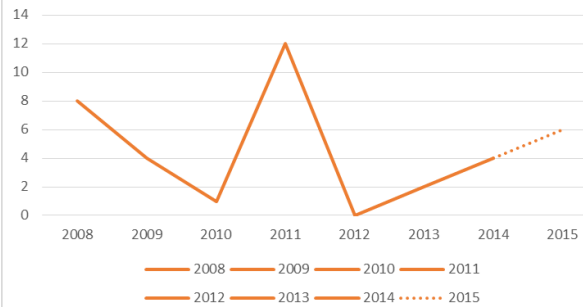


Increase in Public Sector Wages

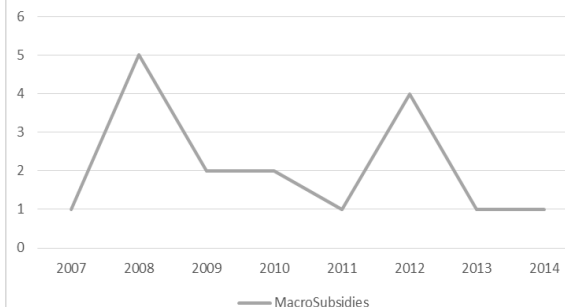


Progress Is Very Uneven Among Countries

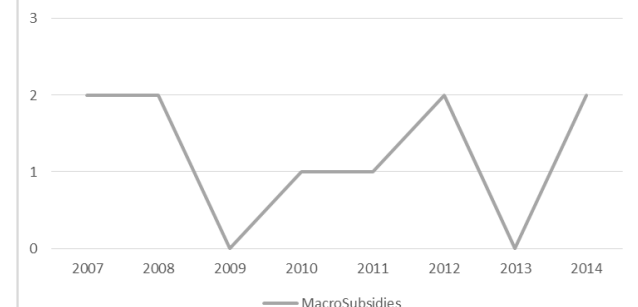
Egypt



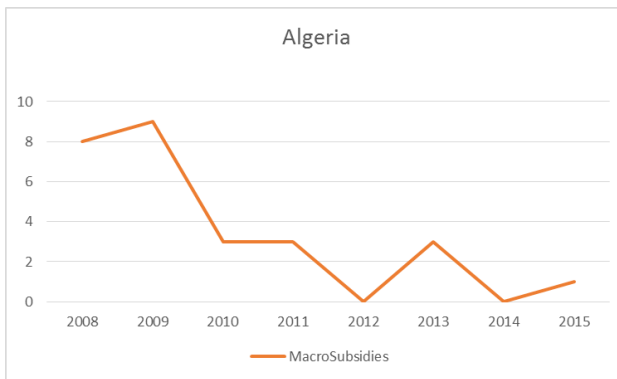
Tunisia



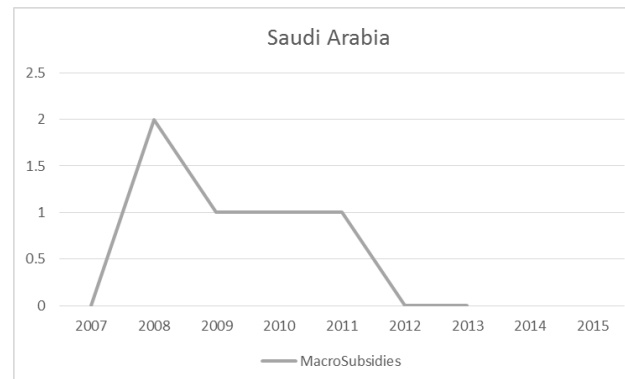
Yemen



Algeria



Saudi Arabia



More soon!

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