# Atelier: Utilisation de l'outil de simulation des indices internationaux (ISPAR) pour faciliter la politique publique au Maroc

Nathalie PICASSO GRAND, Data Scientist, ESCWA 13-14 June 2023, Rabat, Morocco



## Session II: The Indices Simulator Tool for Policymakers in the Arab Region (ISPAR)

Coverage and features of the ISPAR tool for evidence-based policymaking

## Session II: The Indices Simulator Tool for Policymakers in the Arab Region (ISPAR)

What are the goals of developing ISPAR?

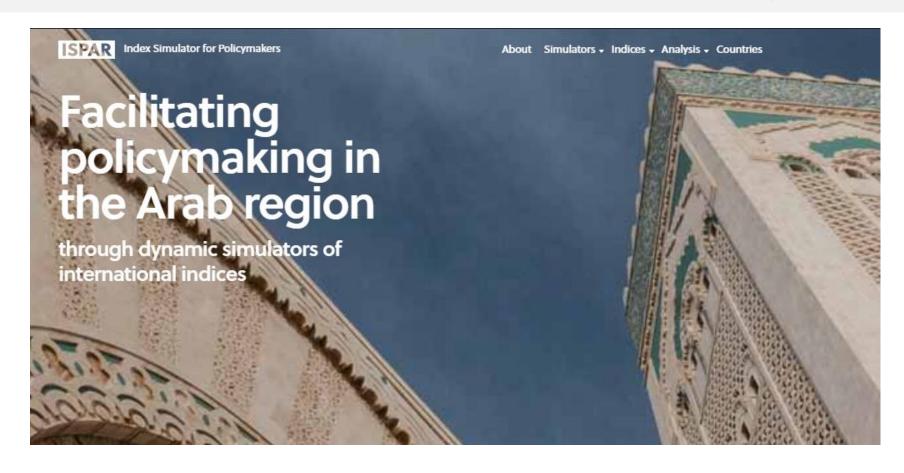
What is its coverage?

What are the main features?

of the indexes simulation tool for evidence-based policymaking

### https://ispar.unescwa.org/

#### Indices Simulation Tool for Policy Makers in the Arab Region (ISPAR)



#### Indices Simulation Tool for Policy Makers in the Arab Region

(ISPAR)

#### ضمن أكثر 10 دول تراجعاً على مستوى العالم

### «إيكونوميست»:

### بيئة أعمال الكويت بين اا

أظهرمؤشرتصنيف بيئة الأعمال الصادر أخيرأ عن وحدة «إلكونوميست إنتلجنس» تراجع الكويت 6 مراتب، لتكون بين الأسوأ أداءً على صعيد منطقة الشرق الأوسط وأفريقيا، إلى جانب البحرين التي تراجعت 9 مراتب، عدا عن أن الكويت بين أكثر 10 دول تراجعاً في بيئة الأعمال على مستوى العالم.

وبينت الوحدة أن سبب تراجع الكويت يعود إلى تدهور نقاطها فى مؤشر فرص السوق نتيجة انخفاض أسعار النفط العالمية (وإن كانت لا تزال مرتفعة نسبياً)، والتي تمثل حصة كبيرة من الإيسرادات المالية وعائدات التصدير، فضلاً عن أن عدم إحسراز تقدم في اللوائح

والإصلاحات أثرهو الأخر على نتائج بيئة الأعمال وأضافت أن النتيجة

والاستثمار الأجنبي. الإجمالية لدول الشرق الأوسط وافريقيا في تصنيفات بيئة الأعمال الأدني من أي منطقة، إذ لا ينزال ترتيب هذه البلدان متأثراً بالحوكمة السيئة الاولى في المنطقة، حيث وانعدام الأمن، بما في ذلك تحسنت نتائجها في السنوات امتداد الصراعات في سورية واليمن وليبيا، إلى جانب الاضطرابات السياسية في الاستيعابية للاستثمارات عدد من البلدان، بما في ذلك الحديدة.

> العراق ولبنان وأدت التخفيضات في الإنفاق الرأسمالي في سياق التشديد المالي بعد الجائحة إلى تقييد نتيجة الاقتصاد الكلى للمنطقة، ولكن من الناحية الإنجابية، دفع

هذا الأصر الملدان إلى دعم الإصلاحات الملائمة للأعمال، مثل تحسين أطر الشراكات سن القطاعين العام والخاص

وحسب «إيكونوميست إنتلجنس» تعتبر دول الخليج من الدول التي تحتل المرتبة الأخسرة تماشيا مع ارتفاع أسعار النفط وتزايد القدرة

وفيما تتوقع أن تتحسن بيئة الأعمال في قطر والسعودية والإمسارات بشكل أكبر في 2023 و2027، أوضحت الوحدة أن كل من الشرق الأوسط وأفريقيا معانى عادةً من ضعف حوكمة

الشركات والبيئة الرقابية، فضلأ عن ضعف تدريب القوى العاملة، وفي بلدان مثل أنغولا ونيجيريا ودول الخلدج وبعتبر الاعتماد المفرط على قطاع الطاقة من أسرز نقاط الضعف. ومع ذلك، يمكن أن تكون معدلات العائد مرتفعة على الاستثمار بالنسبة للشركات التي تتقن المناخ السياسي والتنظيمي المعقد في المنطقة.

وأشارت إلى أن أياً من بلدان الشرق الأوسط أو أفريقيا لم يسجل تحسنا في الدرجات المسجلة بمناطق أخّري.

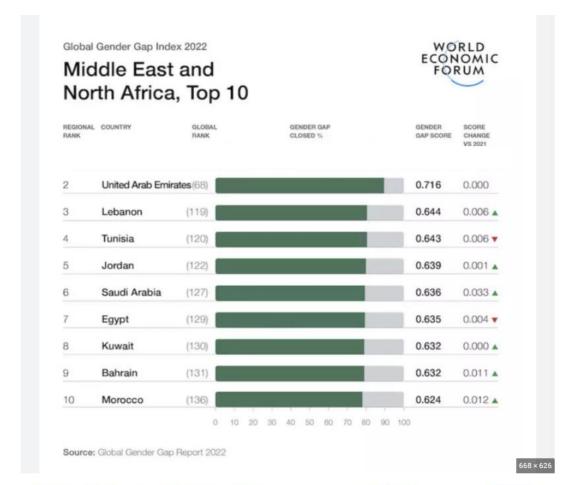
وتوضح التغييرات في تصنيفات «إيكونوميست إنتلجنس» لبيئة الإعمال خلال العام الماضي تأثير الحرب في أوكرانيا على بيئات التشغيل

العالمية، والارتبقاع المفاجئ في مستويات التضخم وأزمة غلاء المعيشة، والمزيح الحالي من التخفيف المالي والتشديد النقدى والتباطؤ الاقتصادي ويقيس معدل مؤشر «إىكونومىست انتلجنس» جاذبية بيئة الإعمال في 82 دولة على أساس ربع سنوي، باستذدام إطار تحليلي قياسى مؤلف من 91 مؤشرا. وينظهر ترتيبها للربع

الثاني من عام 2023 أن أميركا الشمالية ودول غرب أوروبا لا تزالان أفضل الأماكن في العالم لممارسة الأعمال التجارية، فيما تحتل أسيا المرتبة الثالثة متقدمة على دول شرق أوروبا، بينما تفوقت أميركا اللاتبنية بشكل هامشي على الشرق الأوسط وأفريقياً.

#### Indices Simulation Tool for Policy Makers in the Arab Region

#### (ISPAR)



Urgent action needed in MENA region to close gender gap | Business Chief EMEA



### With the second-largest gender gap yet to close, the MENA region must take action now, urges new WEF report – and the business case is compelling

It's no secret that the pandemic and its economic fallout has had a truly regressive effect on gender equality. Nor that little action is being taken to counter these effects.

Recent research by the University of Washington revealed that the greatest and most persistent gender gap has been seen in employment, with 26% of women reporting loss of work compared with 20% of men globally – clear evidence that Covid-19 has exacerbated previously existing social and economic disparities.

And, according to the <u>London School of Economics</u>, 64 million women globally lost their jobs during the pandemic, with women's jobs nearly two times more vulnerable than men's.

And just as we begin to recover from the impact of the pandemic, the cost-of-living crisis kicks in, once more putting women in the firing line – and potentially putting to bed hopes that gender equality can build back.

### Indices Simulation Tool for Policy Makers in the Arab Region

(ISPAR)

«المرصد الوطنى» يطالب بـ «كوتا» نسائية فى البرلمان.. وزيادة تعيينهن فى مناصب قيادية

#### 8 توصيات لتقليص الفجوة بين الجنسين في الكويت

في محاملة منه لتقليص أو سد الفحوة بين الجنسين في الكويت، أصدر العرصد الوطني للتنمية المستدامة عدداً من التوصيات، التَّى من شأنها أن تساهم في تحسين ترتيب الكويت بعوُّشر الفجوة بين الجنسين، الصاد عن المنتدى الاقتصادى العالمه ،، والذي نقبع فيه الكويت بالمركز 130 عالمياً، والمرتبة السابعة عربياً والثالثة خليجياً، حيث يقيس العؤشر العساواة بين العرأة والرجل في محالات الصحة، والتعليم، والاقتصاد، والسياسة في 146 دولة في العالم، وقد احتلت الكويت المرتبة قبل الأخيرة عالمياً 145 في التمكين السياسي، والعركز 123 عالمياً في المشاركة الاقتصادية وفرص العمل بين الحنسين، و47 في التحصيل العلمي، و89 في الصحة.

- رفع نسبة التمثيل النسائي البرلماني إلى ما يقارب 20% من خلال تطبيق نظام الكوتاً لتعزيز مكان المرأة سماسماً. · - رَفع نُسبة تعيين النس والوظائف القيادية العليا لزيادة مشاركتها بمواقع صنع القرار بما لا يقل عن 40%. 3 - تشجيع الحكومة للقطاع الخاص على زيادة نسبة توظيف النساء، وإلزامه بقانون مساواتهن

حاءت توصيات تحسين التصنيف كالآتي:

وتكنولوجيا المعلومات والانصالات بتقديم حوافز

مالية وإدارية، وزيادة تمثيلها في المواقع المسؤولا

والقيادية في هذه المجالات.

#### 8 توصیات

في الأجور، من ضلال تقديم بعض المحفزات لاقتصادية، كالإعفاءات الجمركية أو تخفيض



 إدراج المساواة بين الجنسين ضمن منهج التربية الوطنية بوزارة التربية

و تقديم تسهيلات

بنكبة بضمانات

حكومية للشركات

الملتزمة تعسن

النساء

 تأمین حکومی يـغـطـــى كــل احتباحات المرأة الصحية لإطالة أعمار النساء

6 - رفع نسبة مشاركة النساء في مجال البحث السماح بتسمية المرأة ربة للأسرة كالرجل، وتقسيم العلاوات الأجتماعية المخصصة للزواج والأبناء بين الزوج والزوجة لتحقيق المساواة النامة بينهما. 5 - زيادة عدد النساء العاملات في مجالي العلوم والتكنولوجيا والهندسة والرياضيات STEM

7- إدراج المساواة بين الجنسين وتمكين المرأة،

العلمي والدراسات العليا، من خلال إقرار سياسات لتخفيف التحديات التي تواجه المرأة في الموارنة بين تحصيلها العلمى ومسؤوليتها الاجتماعية

مثلاً، وطرح مقرر دراسي إلزامي بالموضوع نفسه ضمن مقررات جامعة الكويت. 8 - طرح برامج صحية للمرأة ضمن برامج التنمية. كبرامج الكشف المبكر عن سرطان الثدى والأمراض القلبية، وتعزيز الصحة النفسية، والتشجيع على ممارسة الرياضة، واتباع الحميات الغذائية للتقليل من معدلات السمنة، وتأمين حكومي يغطي كل احتماحات المرأة الصحمة لإطالة أعمار النساء **Member States showed** concerns about international indices used to assess their performances



### Indices Simulation Tool for Policy Makers in the Arab Region (ISPAR)



https://ispar.unescwa.org/about.aspx

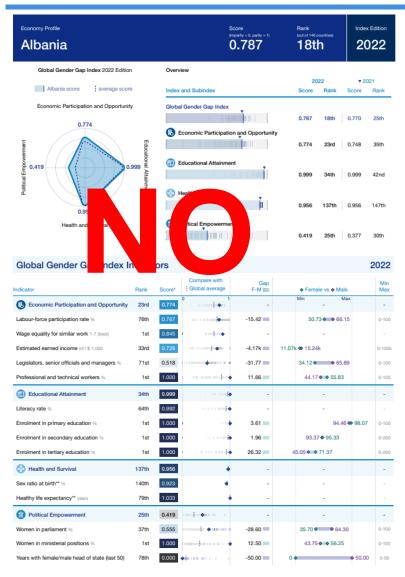
#### The Project's Goal

Improving policymaking effectiveness using a series of international indices

assist Member States in understanding the impact of specific policies and identifying effective and efficient procedures that could be implemented in the short, medium and long term to enhance country's ranking in selected international indicators and impact the socio-economic development on national level.

The ISPAR project's goal: develop a tool so International Composite Indicators can be used for evidence-based policymaking

#### Are Indices as they are useful for policymaking?



- Data used for performance assessment are not accurate or not updated, or missing
- Transparency (methodology)
  - how data are collected, how surveys are administered
  - the weight of experts' judgment
  - other discretionary decisions

First issue: The DATA

#### Are Indices as they are useful for policymaking?



- What is the impact of changes in policies on ranking?
  - and in turn on economic and social performances or SDGs

# Second issue: no SIMULATION of change in policy is possible

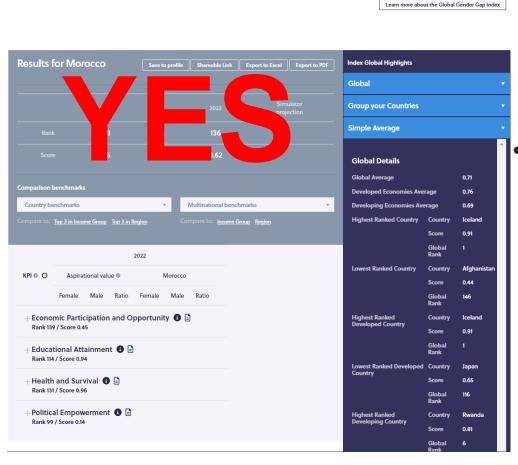
#### Are Indices as they are useful for policymaking?



- How to benefit from the experience of other countries?
- How can countries learn from past experiences?

### Third issue: Policy Recommendations

#### How ESCWA addressed the issues with Composite Indexes?



Global Gender Gap Index

Gender parity has a fundamental bearing on whether or not economies and societies thrive. Developing and deploying

one-half of the world's available talent has a huge bearing on the growth, competitiveness and future-readiness of

Morocco

Morocco is a lower middle income country.

Thousand USD (2021) and HDI value of 0.68 economies and businesses worldwide

It has a GDP per capita of around 3.82

- Monitoring and accuracy of performance assessment: the governance of data production and diffusion
  - Development of Simulators to evaluate the impact of policy changes on achievements and rank
- Go beyond the composite index and design a comprehensive strategy: Which aspects of the problem at hands are missing
  - Policy recommendation
  - Tools for goals prioritization
  - Tool for assessment of linkages between Composite indexes and the SDGs and the set developmental goals

### Thank you for your time!

# Workshop on the Use of the "Indices Simulation Tool for Policy Makers in Morocco"

Nathalie PICASSO-GRAND, Data Scientist, ESCWA 12-13 June 2023, Rabat, Morocco



### Session III: Introduction to global indicators in various fields

This session aims to introduce participants to global indicators in the economic and social fields in general and those that are included on the ISPAR tool.

### Session III: Introduction to global indicators in various fields

Generate a profile

Carry a first benchmarking analysis

Discover the various fields covered by the tool

Understand the linkages between Composite

Indices

#### Generating a profile

#### **Gender entry point**

Go to <a href="https://gender.unescwa.org">https://gender.unescwa.org</a>

Click on the 'Countries' tab (up right corner)

select your country (flag)

select "View the international index rankings"

#### More general entry point

Go to <a href="https://ispar.unescwa.org/">https://ispar.unescwa.org/</a>

Click on the 'Countries' tab (up right corner)

select your country (flag)

select "View the international index rankings"

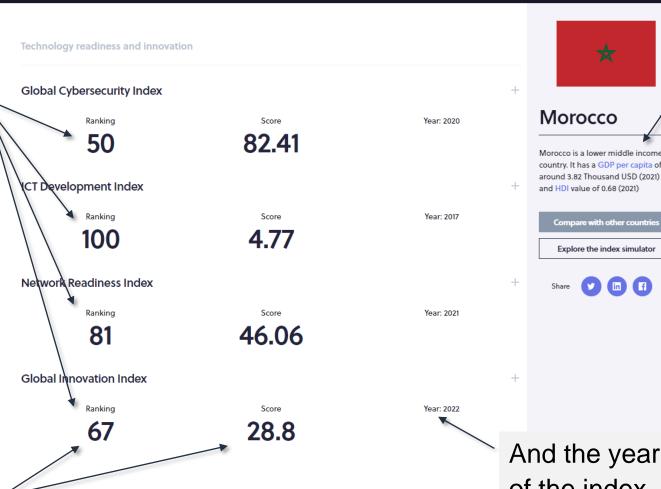
Generate a profile

Sign in / Register

ISPAR Index Simulator for Policymakers

About Simulators → Indices → Analysis → Countries

View performances on multiples indices in one page



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Brief description of the country. The same information is provided for all countries to facilitate comparisons

Score and rank are provided

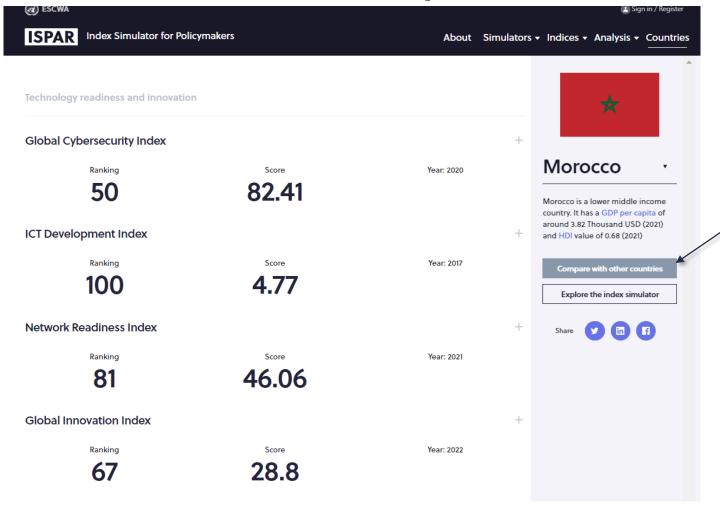
And the year of publication of the index. This is very important

#### Generating a profile

Go to https://ispar.unescwa.org/gender/ Click on the 'Countries' tab (up right corner) select your country (flag) select "View the international index rankings"

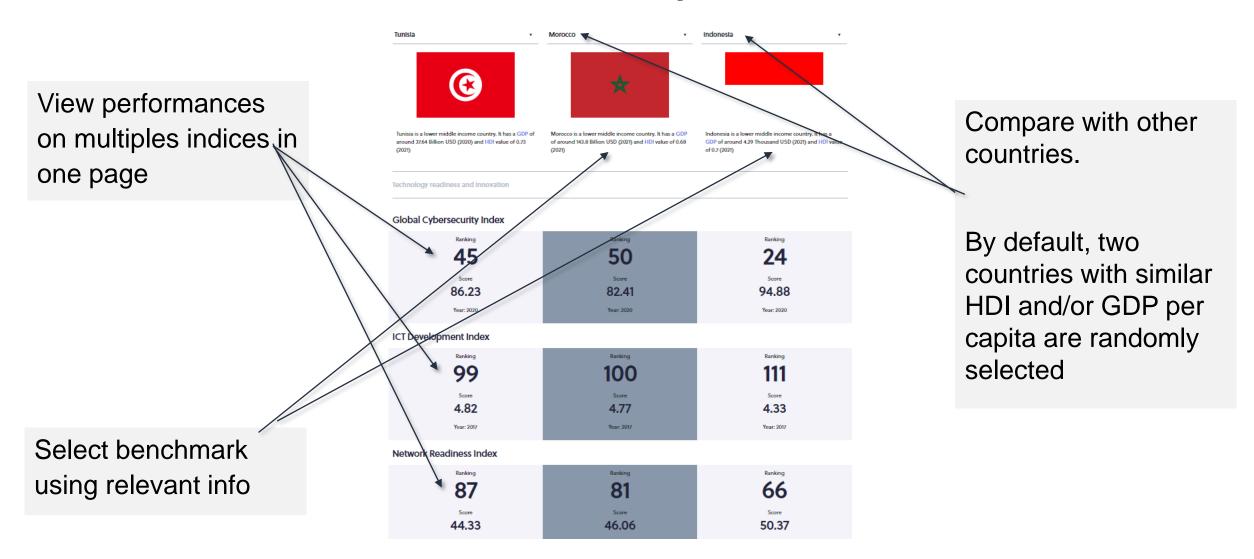
It shows the **country's performances** and which Indices are available **for which year.** For these indices, a **policy impact simulator is available. Comparison** with other countries **is possible** 

#### Generate a profile



Compare with other countries

#### Generate a profile



#### A first general benchmarking can be done here

Which benchmark is best for Morocco upon you? What are the benchmark countries' performances? Which best benchmark for ST, MT, LT?

A more informative benchmarking should be done at the KPIs level and reflect the envisioned policies

#### **ISPAR** coverage

#### For now

- ✓ Gender Gap Index Al readiness Index
- ✓ Doing Business index
- ✓ Competitiveness index ITU ICT Development Index e-Government Index Global Cybersecurity Index Global Innovation Index Digital Accessibility Rights Evaluation Index
- ✓ Women peace and Security index Network Readiness Index
- ✓ Women Business and the Law Index Development Challenge Index Global knowledge Index B2C E-commerce Index E-participation Index Globalisation Index Open Data Inventory Index

#### Recently added

FDI restrictiveness index

✓ Financial Inclusiveness index
 Food security index
 Human capital index

Are engendered

#### Wider than Gender Issues

22 indices included

#### The indexes are linked to each other

Or because the same KPIs are used to assess country's performance
Or because of spillover effects across indices

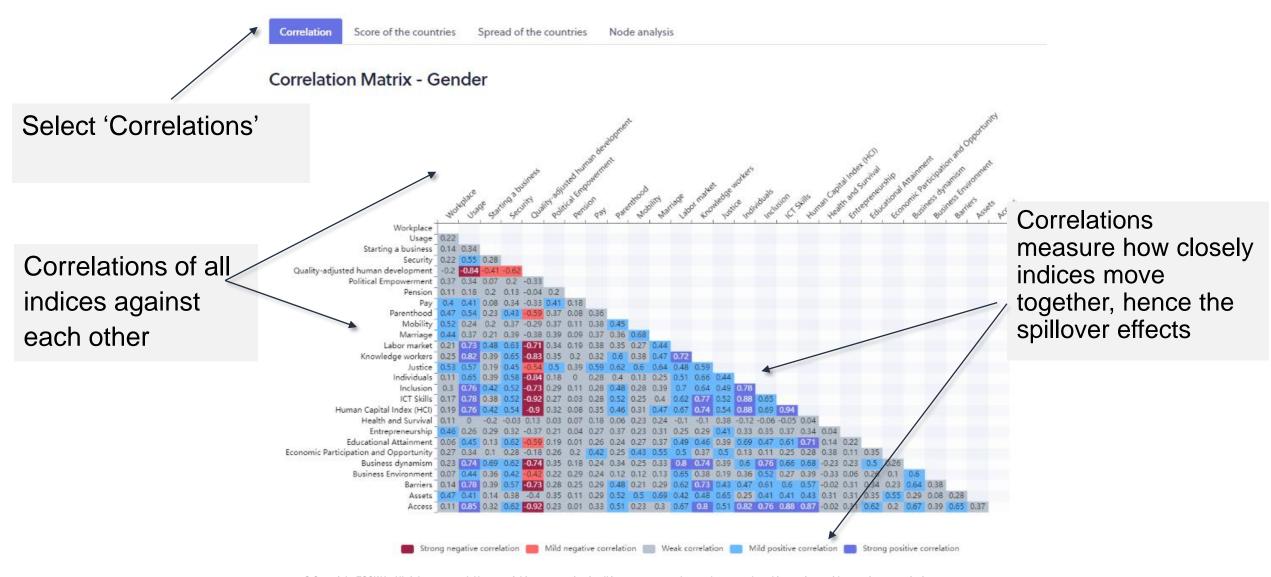
## That need to be assessed to hasten the achievement of sought goals

Go to <a href="https://ispar.unescwa.org/">https://ispar.unescwa.org/</a> and click on Analysis and then correlations

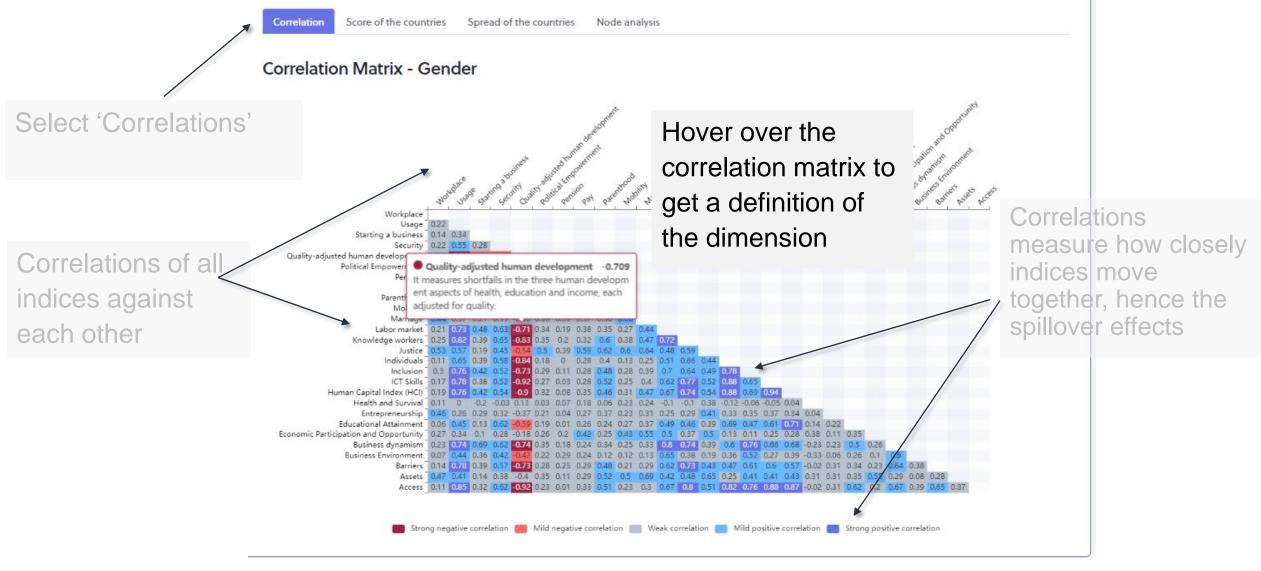
https://gender.unescwa.org

Then click on 'Gender analysis'

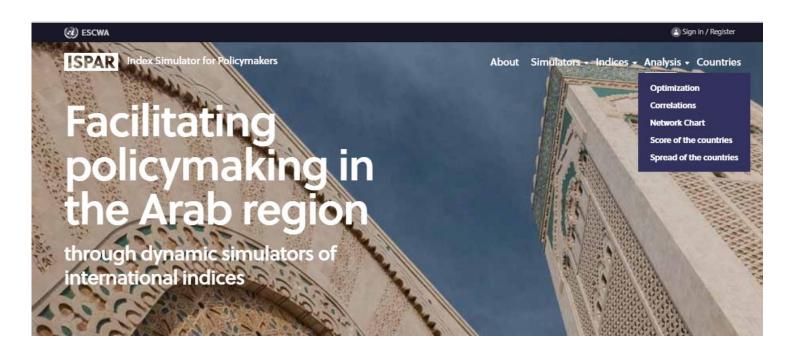
#### Understand and evaluate spillover effects



#### Understand and evaluate spillover effects



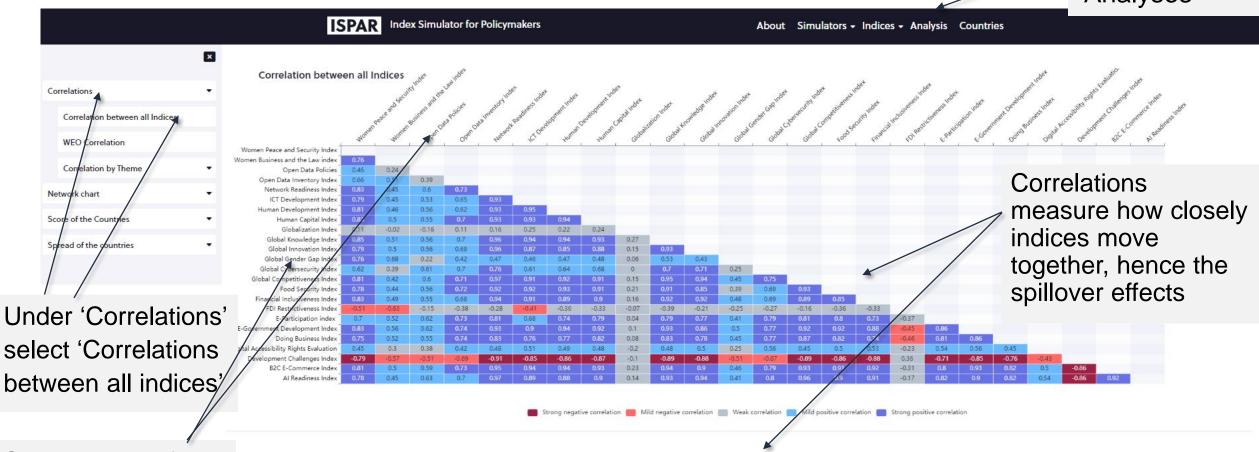
## For a more comprehensive view of linkages across indexes go to the main tool



Go to https://ispar.unescwa.org/

Understand and evaluate spillover effects

Under the tab 'Analyses'



Correlations of all indices against each other

rrelation is a statistical measure that describes the relationship between two indices. A positive correlation means that both indices are increasing or decreasing in parallel. A negative correlation indicates that when a country's performance improves on one index it worsens on the total content in the relation is strong if the correlation coefficient is greater than 0.7 (smaller than -0.7). It is milled if the coefficient is between 0.4 and 0.7 (or -0.7 and -0.4). Correlation coefficients, that appear on the table, can be used to assess how performances across indices tend to linked to each other.

wever, correlation must not be confused with causality. If two indices/indicators are correlated, it does not imply that one index/indicator causes the changes in another one. Correlation only assesses relationships between indices/indicators, and different factors may lead to the ationships. Causation may be a reason for the correlation, but it is not the only possible explanation.

#### Select the gender index you like

Question 1: How strongly correlated is the Gender Index (dimension level) you selected to other Gender indices?

Through which channel upon you?

**Question 2:** How will an improvement on the index you selected affect the capacity of the country to innovate?

To become more competitive?

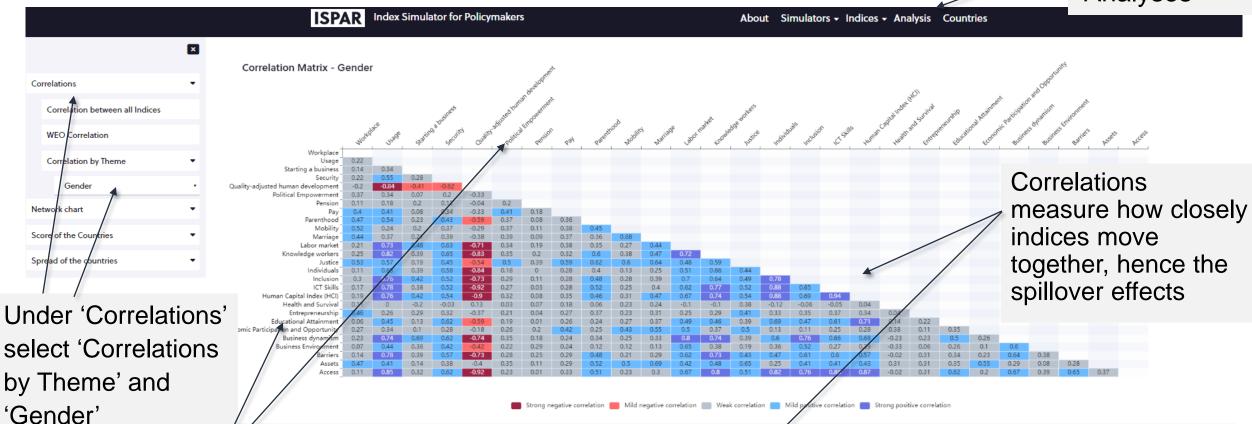
**Question 3:** Is there any negative correlation of the index you selected with another index?

Why, upon you?

How to best use this negative correlation?

Understand and evaluate spillover effects

Under the tab 'Analyses'



Correlations of all sub-dimensions of all gender indices

ion is a statistical measure that describes the relationship between two indices. A positive correlation means that both indices are increasing or decreasing in parallel. A negative correlation indicates that when a country's performance improves on one index it worsens on er. The relation is strong if the correlation coefficient is greater than 0.7 (smaller than -0.7). it is milled if the coefficient is between 0.4 and 0.7 (or -0.7 and -0.4). Correlation coefficients, that appear on the table, can be used to assess how performances across indices tend to d to each other.

r, correlation must not be confused with causality. If two indices/indicators are correlated, it does not imply that one index/indicator causes the changes in another one. Correlation only assesses relationships between indices/indicators, and different factors may lead to the ships. Causation may be a reason for the correlation, but it is not the only possible explanation.

#### Select the gender index you like

Question 1: How strongly correlated is the Gender Index you selected to important macroeconomic indicators?

Through which channel upon you?

Question 2: Is there any negative correlation of the index you selected with another index?

Is it a good or a bad thing?

#### **Correlations analysis: Help identify**

- 1. The potential for cooperation across Ministries
- 2. How each can contribute to the achievements of another Ministry's goals

Example: if a country improving on its ranking on the Women Business and the Law Index will positively affect its performances on a series of other indices (first column of the 'all indices' matrix) from innovation to competitiveness and so forth.

# Workshop on the Use of the "Indices Simulation Tool for Policy Makers in Morocco"

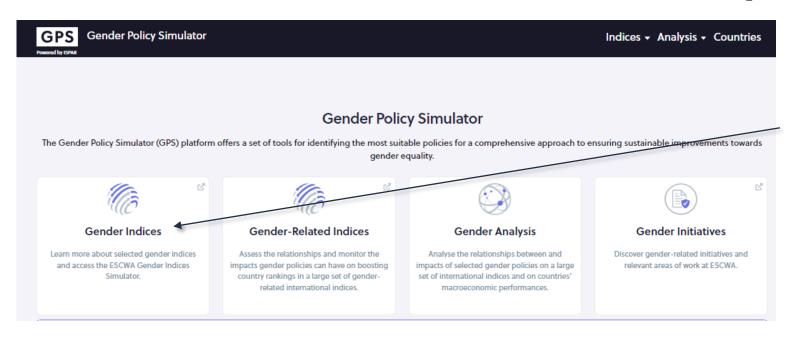
Nathalie PICASSO-GRAND, Data Scientist, ESCWA 12-13 June 2023, Rabat, Morocco



#### **Session IV: Human Development Index**

This session will introduce the UN Development
Programme's Human Development Index and the
Gender Development Index and allow participants to
use the ISPAR tool to retrieve country results.
Participants will then present their experience around
the use of ISPAR to analyse their rankings and scores.

## First simulation: UNDP Human Development Index/Gender Development Index

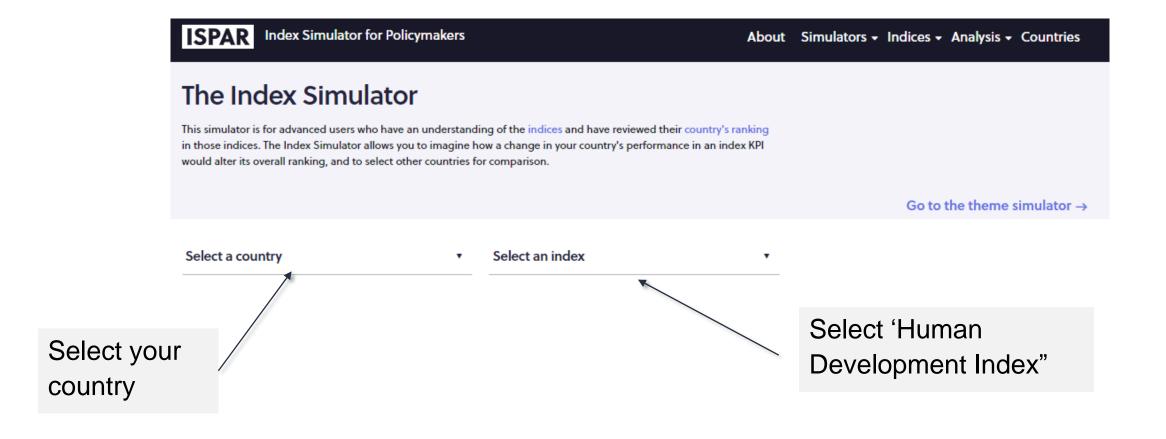


#### **From**

https://gender.unescwa.org
Click on 'Gender Indices"

For this first simulation, we will use a simulator that is not engendered, which reduces the number of KPIs and is easier to use

#### **Human Development Index**



Brief
description of
the country
for
benchmarking

Year of the last ranking available

Rank and score

Dimensions with rank and score per dimension

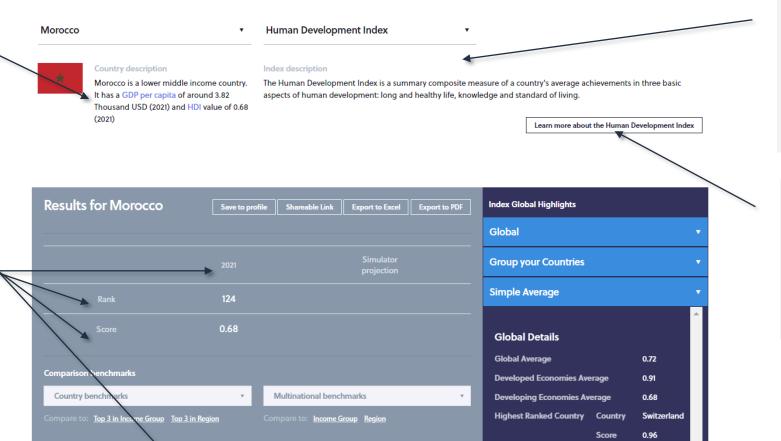
KPI O

Health 🚯

Rank 69 / Score 0.83

Aspirational value

Morocco



Brief description of the selected index

Link to the webpage of the selected index

Scroll down...

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**Lowest Ranked Country** 

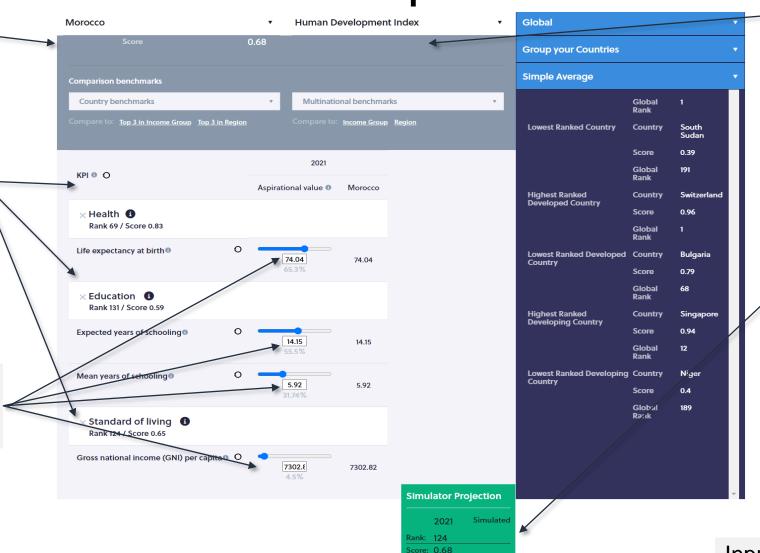
South

0.39

Country's name

Click on the dimension's name to see the KPIs

Actual values of the KPIs

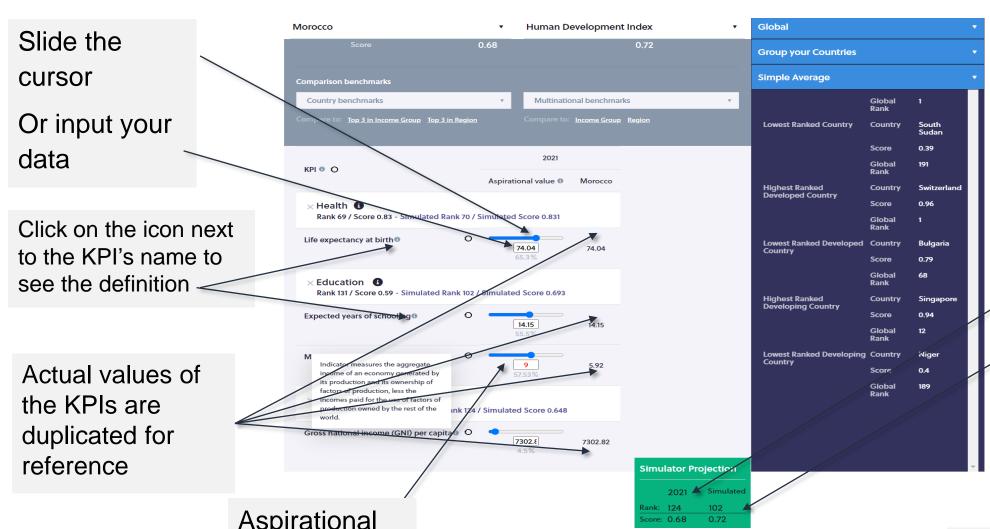


Index's name

Box in which the impact of the rank and score will be shown. For now, the year of the last ranking, the rank and score are provided for reference

Input your aspirational values...

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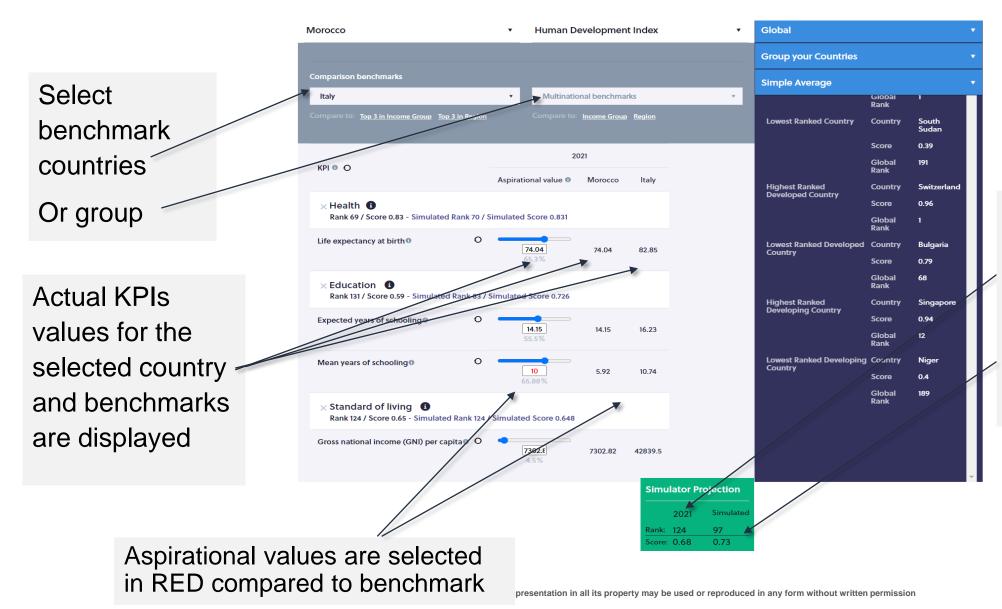


The year of the last ranking, the rank and score are provided for reference

The simulated rank and score are displayed

Aspirational values appear in RED

Select aspirational values using benchmarks...

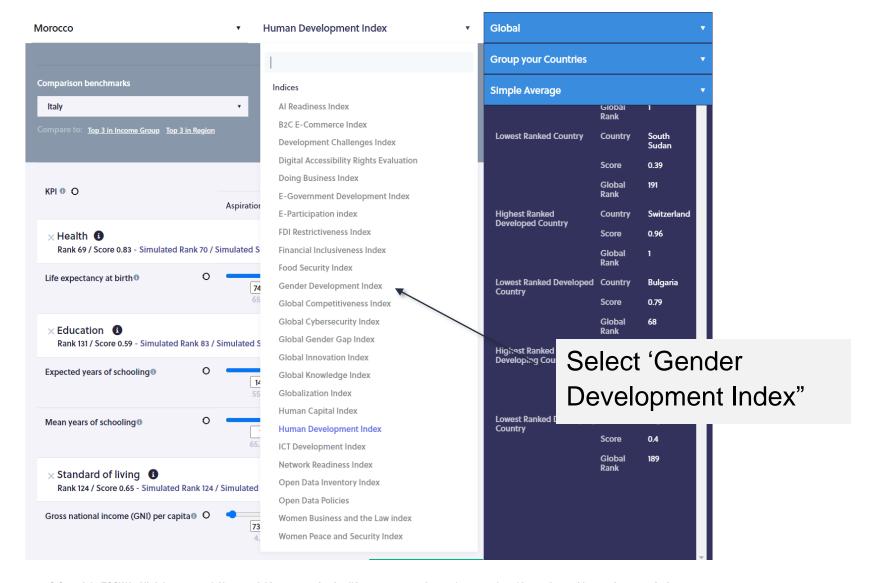


The year of the last ranking, the rank and score are provided for reference

The simulated rank and score are displayed

A strategy for a short, medium and long term can be designed

## This index is now engendered



Brief
description of
the country
for
benchmarking

Morocco

Country description
Morocco is a lower middle income country. It has a GDP per capita of around 3.82
Thousand USD (2021) and HDI value of 0.68 (2021)

The Gender Development Index (GDI) tracks gender disparities in achievement across three fundamental areas of human development: health (measured by life expectancy at birth), education (measured by expected years of schooling for children and mean years of schooling for adults ages 25 and older), and control of economic resources (measured by estimated earned income for women and men).

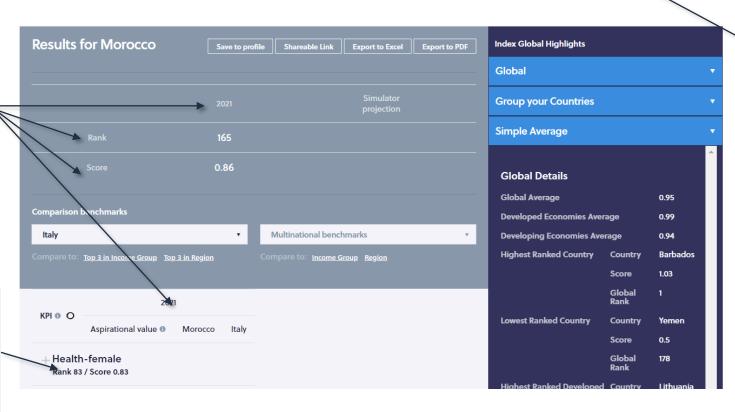
Learn more about the Gender Development Index

Brief description of the selected index

Year of the last ranking available

Rank and score

Dimensions with rank and score per dimension



Link to the webpage of the selected index

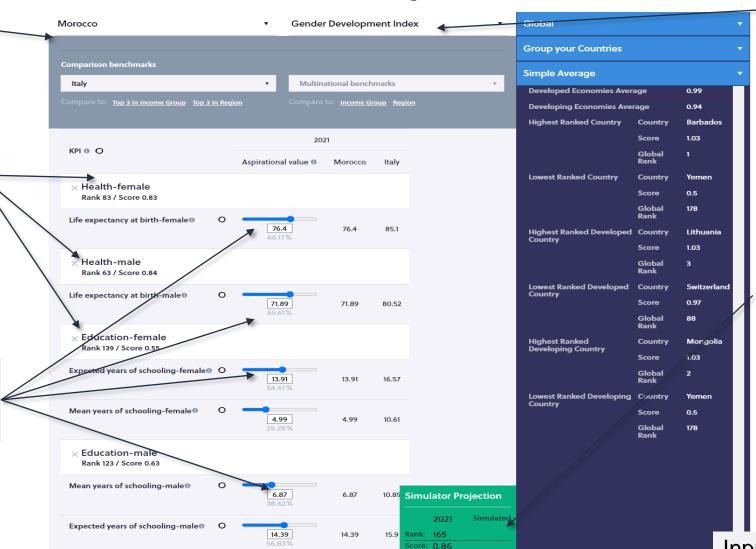
Scroll down...

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Country's name

Click on the dimension's name to see the KPIs

Actual values of the KPIs



Index's name

Box in which the impact of the rank and score will be shown. For now, the year of the last ranking, the rank and score are provided for reference

Input your aspirational values...

Global Gender Development Index Morocco Slide the **Group your Countries** cursor Simple Average Multinational benchmarks Top 3 in Income Group Top 3 in Region Or input your 2021 KPI O data Aspirational value 

Morocco Rank 83 / Score 0.83 - Simulated Rank 83 / Simulated Score 0.829 ncv at birth-female® 76.4 76.4 Highest Ranked Developed Country Click on the icon next Health-male Rank 63 / Score 0.84 - Sin to the KPI's name to Life expectancy at birth-male® see the definition Education-female Highest Ranked / Score 0.55 - Simulated Ra 117 / Simulated Score 0.653 Actual values of 13.91 the KPIs are 4.99 duplicated for Education-male k 123 / Simulated Score 0.629 reference Mean years of schooling-male 6.87 Simulator Projection Aspirational 14.39 14.39 values appear

The year of the last ranking, the rank and score are provided for reference

The simulated rank and score are displayed

in RED

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## First simulation HDI and GDI: Help identify key indicators

- 1. At the national level
- 2. And per gender

## Help defining targeted actions

**Example: action targeting education** can help improve rapidly on the ranking, **especially the means years of schooling**Specific actions have to target female achievements

# Workshop on the Use of the "Indices Simulation Tool for Policy Makers in Morocco"

Nathalie PICASSO-GRAND, Data Scientist, ESCWA 12-13 June 2023, Rabat, Morocco



## Session V: Global Gender Gap Index

This session will introduce the World Economic Forum's Global Gender Gap Index and allow participants to use the ISPAR tool to retrieve country results. Participants will then present their experience around the use of ISPAR to analyse their rankings and scores.

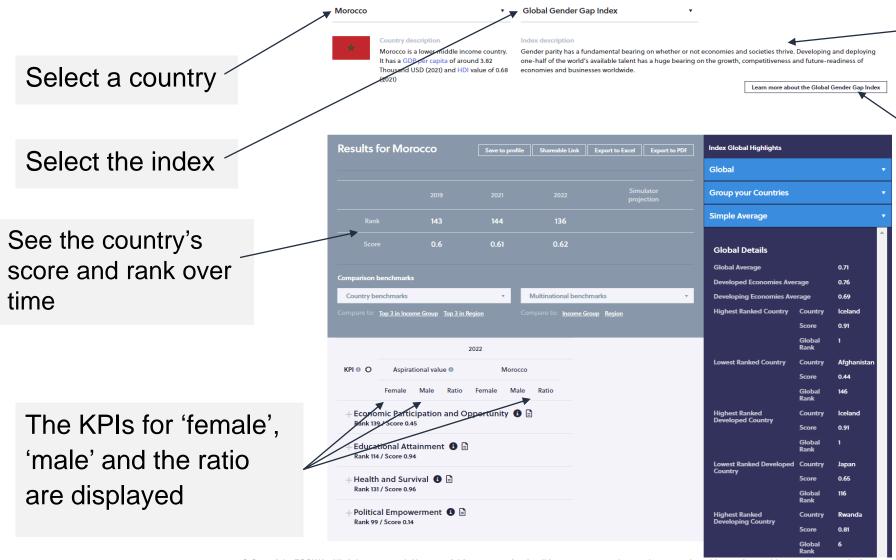
## The difficulties of an engendered index using ratios

Back to <a href="https://gender.unescwa.org">https://gender.unescwa.org</a>

Select 'Gender indices'

Select your country

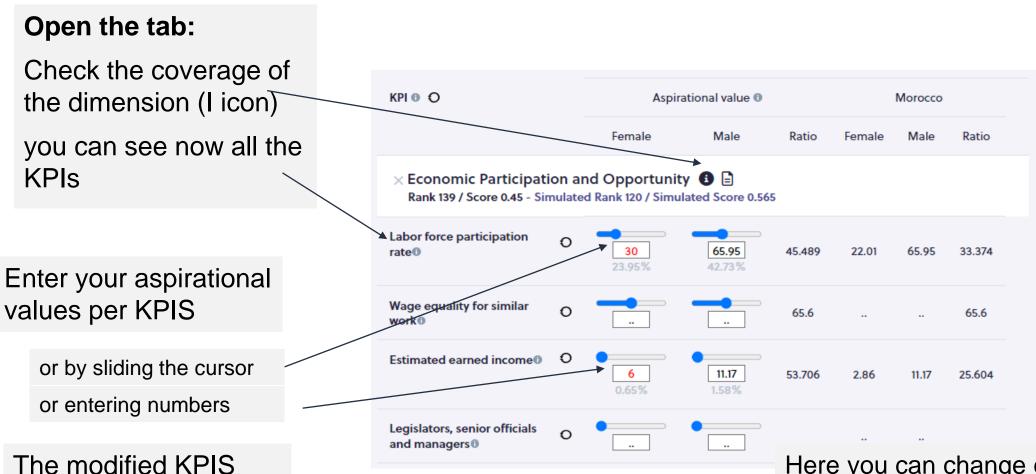
**Select Gender Gap Index** 



Short description of the index

Link to the website of the index publisher

Change the values of the KPIs for female...



Here you can change only the value of the KPIs for the 'female' population

appear in **RED** 

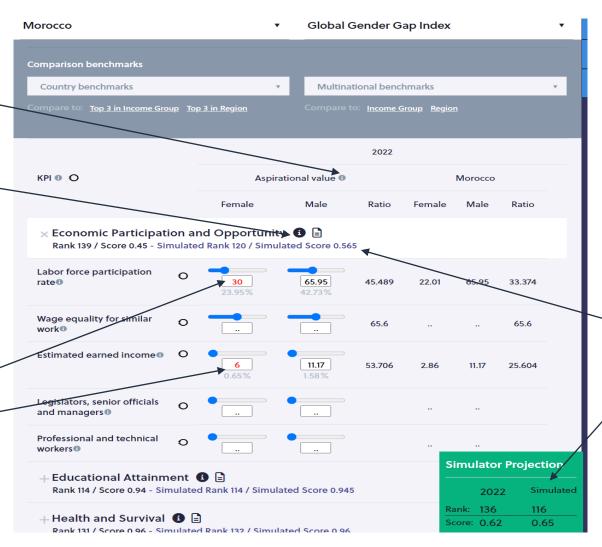
### Open the tab:

Check the coverage of the dimension (I icon) you can see now all the KPIs

Enter your aspirational values per KPIS

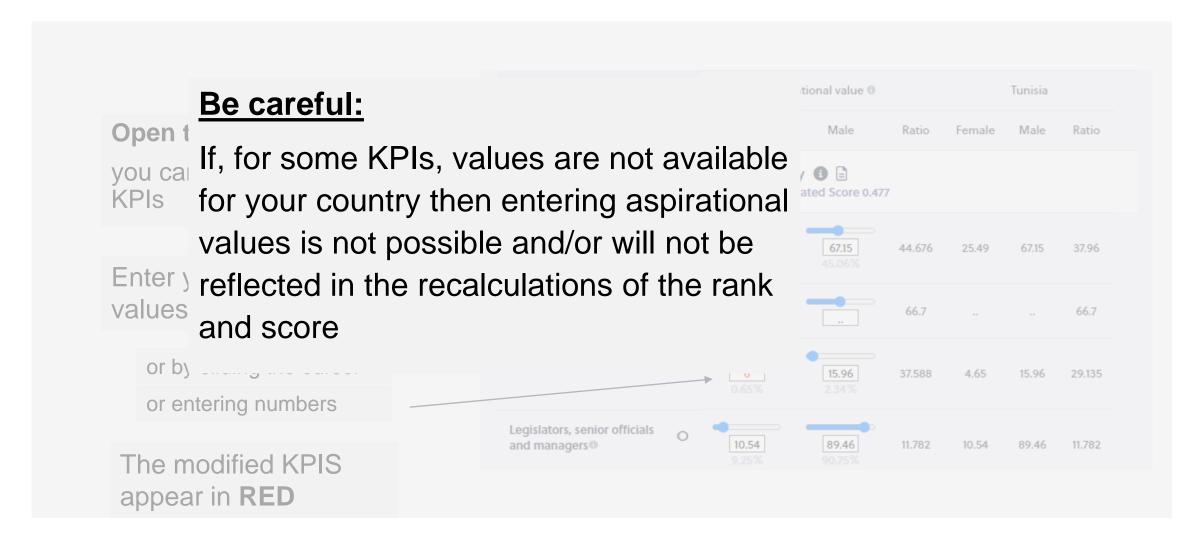
or by sliding the cursor or entering numbers

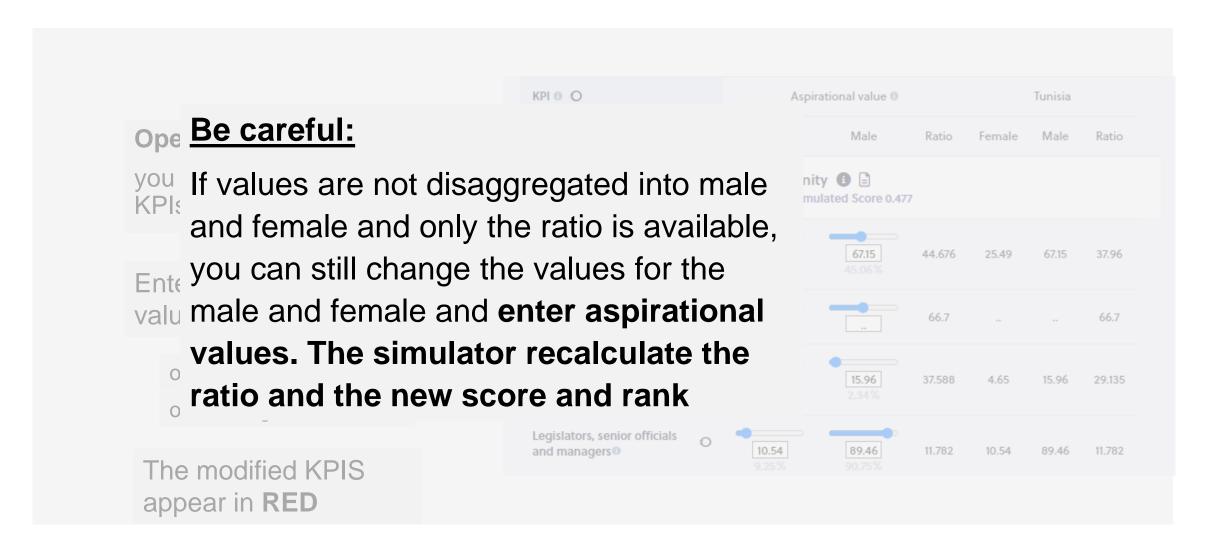
The modified KPIS appear in **RED** 



Impact on score and rank will show here

pillar score and rank overall rank and score



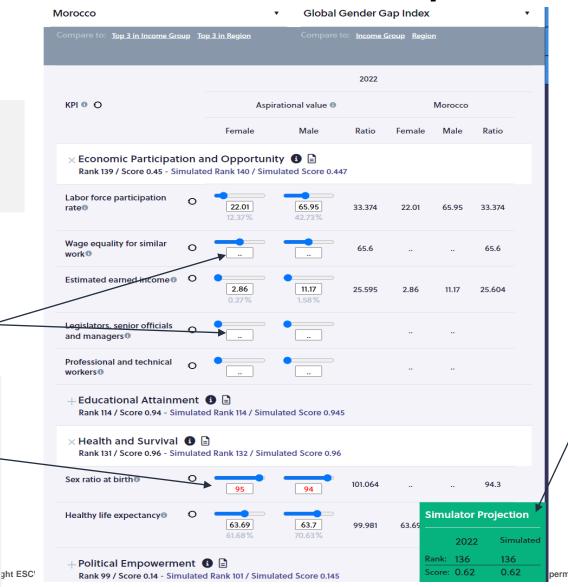


### Open the tab:

you can see now all the KPIs

For those KPIs, no data is available, so it is impossible to enter aspirational values

For the sex ratio at birth, data for female and male are not available but the ratio is, hence data for male and female can be entered on the simulator



Impact on score and rank will show here



## **Develop your own strategy**

**Question 1:** What is the impact of the quality, accuracy, availability of data on the ranking?

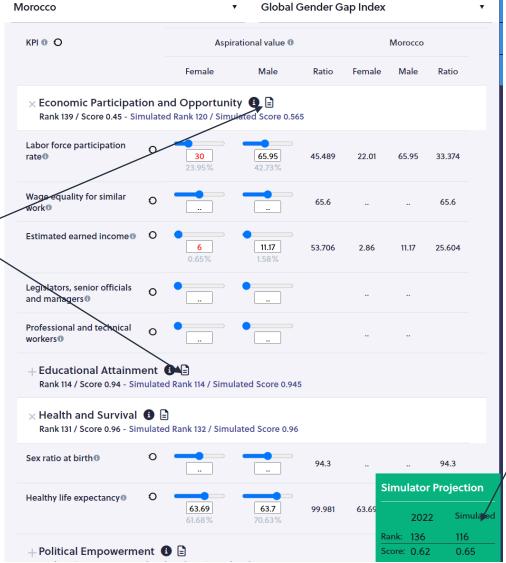
**Question 2:** Which indicators/KPIs used to calculate the index are included in the NDP/Vision?

If the country meet the set expectations, what will be its ranking?

**Question 3:** Based on the strategy you are preparing, which progress can be achieved

in the sort run? in the medium run? In the long run?

Follow the icon (a) to get policy recommendations



Impact on score and rank will show here

## Conclusion: an engendered index using ratios

- 1. May be misleading
- 2. Indicators in LEVEL need to be used to complement the ratio of indicators to get a good picture of performances

# Workshop on the Use of the "Indices Simulation Tool for Policy Makers in Morocco"

Nathalie PICASSO-GRAND, Data Scientist, ESCWA 12-13 June 2023, Rabat, Morocco



## Session VII: The Global Index on Women, Peace and Security

This session will introduce the Global Index on Women, Peace and Security Index and allow participants to use the ISPAR tool to retrieve country results. Participants will then present their experience around the use of ISPAR to analyse their rankings and scores.

## Women, Peace and Security Index: The need to adopt a comprehensive approach

For this index, the methodology was developed so a comprehensive approach of the issue at hand must be developed for policy changes to have an impact on the ranking.



Indices ▼ Analysis ▼ Countries

### **Gender Policy Simulator**

The Gender Policy Simulator (GPS) platform offers a set of tools for identifying the most suitable policies for a comprehensive approach to ensuring sustainable improvements towards gender equality.



#### **Gender Indices**

Learn more about selected gender indices and access the ESCWA Gender Indices Simulator.



#### **Gender-Related Indices**

Assess the relationships and monitor the impacts gender policies can have on boosting country rankings in a large set of gender-related international indices.



### **Gender Analysis**

Analyse the relationships between and impacts of selected gender policies on a large set of international indices and on countries' macroeconomic performances.



### **Gender Initiatives**

Discover gender-related initiatives and relevant areas of work at ESCWA.

### **Simulations**

Go to

https://gender.unescwa.org

**Click on 'Gender Indices'** 

### Women, Peace, and Security Index

Brief description of the country for benchmarking

Morocco Morocco is a lower middle income country. It has a GDP per capita of around 3.82 empowerment around the world in the three dimensions inclusion, justice, and security using 11 indicators. Thousand USD (2021) and HDI value of 0.68

Group Top 3 in Region

2021

Aspirational value

Country b

KPI O

+Inclusion 🚯

Justice 🚯

Rank 150 / Score 0.41

Rank 119 / Score 0.78

Women Peace and Security Index Women, Peace, and Security Index provides important insights into patterns and progress on women's status and

Learn more about the Women Peace and Security Index

Results for Morocco **Index Global Highlights** Global **Group your Countries** 

Multinational benchmarks

Rank and score

available

Year of the

last ranking

**Dimensions** with rank and score per dimension

**Global Details** Global Average **Developed Economies Average Developing Economies Average** 

**Highest Ranked Developed Country** 

Simple Average

**Highest Ranked Country** Norway 0.92 Score Global **Lowest Ranked Country** Afghanista 0.11 170

0.72

0.86

0.7

0.92

Scroll down...

Brief

index

index

description of

the selected

Link to the

webpage of

the selected

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### Women, Peace, and Security Index

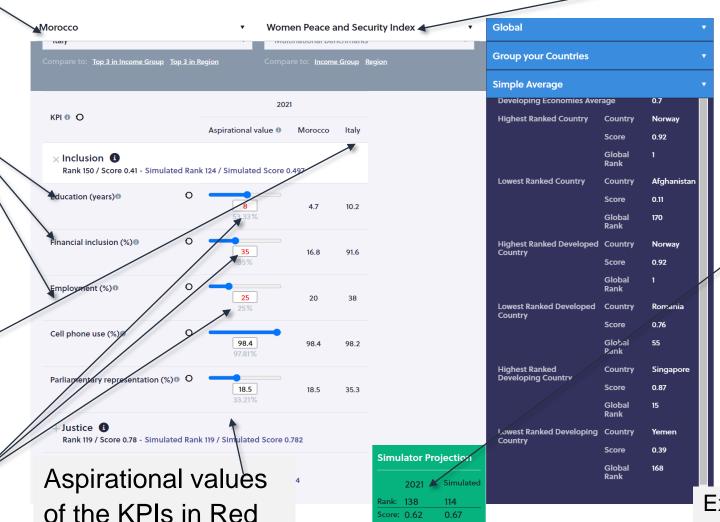
Index's name

Country's name

Click on the dimension's name to see the KPIs

Select benchmarks

Actual values of the KPIs



Box in which the impact of the rank and score will be shown. For now, the year of the last ranking, the rank and score are provided for reference

Exploring the interlinkages among KPIs...

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## The need to have a comprehensive approach

- 1. Improving on one indicator may have a quite small if any impact on the ranking while others have large impact on the ranking
- 2. Actions must be taken at various level to see a meaningful improvement on the ranking
- 3. Stresses the need for cooperation across Ministries

# Workshop on the Use of the "Indices Simulation Tool for Policy Makers in Morocco"

Nathalie PICASSO-GRAND, Data Scientist, ESCWA 12-13 June 2023, Rabat, Morocco



## Session VIII: The World Bank's Women, Business and the Law Index

This session will introduce the World Bank's Women, Business and the Law Index and allow participants to use the ISPAR tool to retrieve country results. Participants will then present their experience around the use of ISPAR to analyse their rankings and scores.

## Women Business and the Law Index: The specificities of a 'discrete' index

This index uses bullion indicators which take the value 0 or 1. It captures the content of the law and its intent through surveys.

It is important to identify the low-hanging fruits.



Indices ▼ Analysis ▼ Countries

### **Gender Policy Simulator**

The Gender Policy Simulator (GPS) platform offers a set of tools for identifying the most suitable policies for a comprehensive approach to ensuring sustainable improvements towards gender equality.



#### **Gender Indices**

Learn more about selected gender indices and access the ESCWA Gender Indices Simulator.



#### **Gender-Related Indices**

Assess the relationships and monitor the impacts gender policies can have on boosting country rankings in a large set of gender-related international indices.



### **Gender Analysis**

Analyse the relationships between and impacts of selected gender policies on a large set of international indices and on countries' macroeconomic performances.



### **Gender Initiatives**

Discover gender-related initiatives and relevant areas of work at ESCWA.

### **Simulations**

Go to

https://gender.unescwa.org

**Click on 'Gender Indices'** 

### Women, Business and the Law

Women Business and the Law index

Brief
description of
the country
for
benchmarking

Country description

Morocco is a lower middle income country.
It has a GDP per capita of around 3.82
Thousand USD (2021) and HDI value of 0.68
(2021)

+

Women, Business and the Law identifies how laws and regulations impact women's life, and economic opportunities. The index is structured around the main elements shaping women's life: Mobility, Workplace, Pay, Marriage, Parenthood, Entrepreneurship, Assets and Pension.

Learn more about the Women Business and the Law index

Brief description of the selected index

Link to the webpage of the selected index

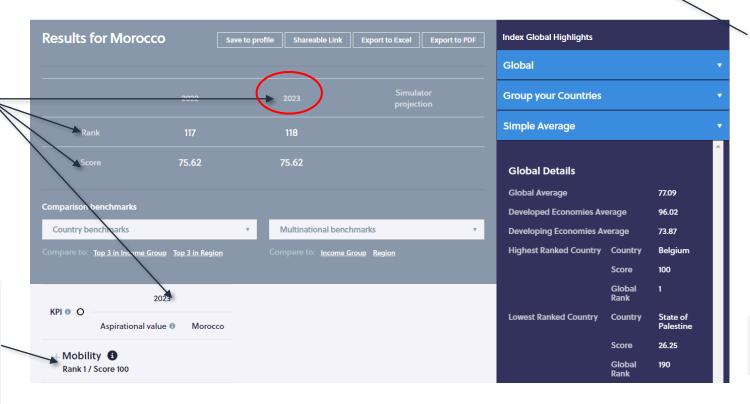
Regularly updated

Scroll down...

Year of the last ranking available

Rank and score

Dimensions with rank and score per dimension



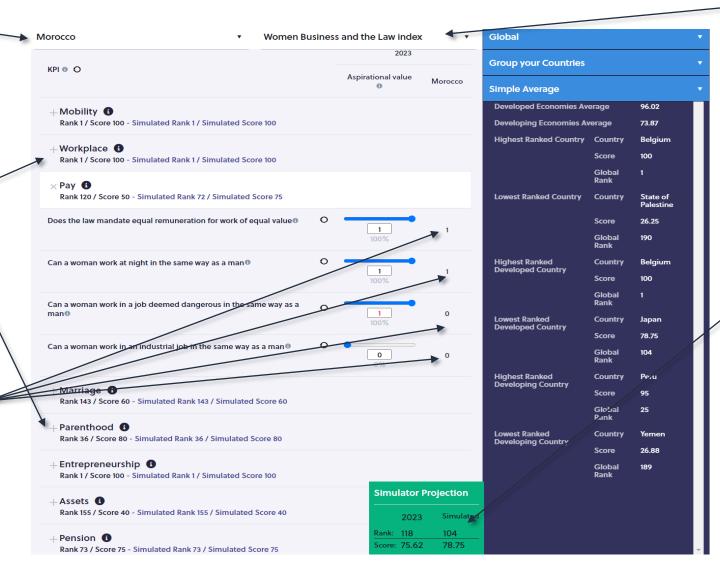
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### Women, Business and the Law

Country's name

Click on the dimension's name to see the KPIs

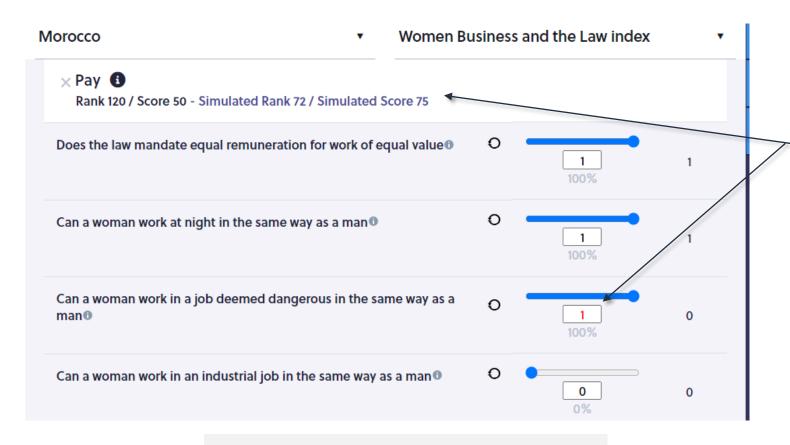
Actual values of the KPIs



Index's name

Box in which the impact of the rank and score will be shown. For now, the year of the last ranking, the rank and score are provided for reference

## Women, Business and the Law



Due to the methodology used to calculate this index, improving on one KPIs increase the dimension score and rank by 20 to 25% depending on the number of KPIS per dimension

But here, the obstacles are laws which requires efforts and time to change

## Women Business and the Law Index: The specificities of a 'discrete' index

To improve on this kind of ranking, developing short, medium, and long-term strategies is crucial as it takes time to improve due to the very nature of the obstacles that can be administrative, legislative, cultural and religious.

# The advantage of ISPAR is that the tool allows to identify the NATURE of the obstacles and set a timeline for rankings improvement

Having multiple Composite Indices on the platform allows developing a short-, medium-, and long-term strategy across all the Indices.

## Workshop on the Use of the "Indices Simulation Tool for Policy Makers in Morocco"

Nathalie PICASSO-GRAND, Data Scientist, ESCWA 12-13 June 2023, Rabat, Morocco



## Session XI: The interdependence of global indicators

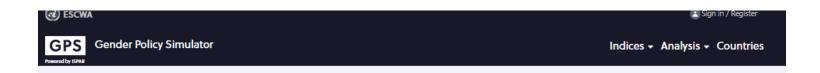
This session discusses how developmental indicators intersect with gender equality indicators, such as in education, health, and the economy, and explains how strengthening policies and legislation related to gender equality may influence other areas of development.

## Let's summarize what we have seen

- 1. How to generate a profile and compare our performances to other countries'
- 2. How to carry simulations and how the methodology used calls for a certain type of strategy
- 3. And how to use the platform to develop a short, medium and long-term strategy depending on the nature of the obstacles

# As part of the background you may prepare for your note/report/brief or any other document, You can use tools to

Visualize performances



#### **Gender Policy Simulator**

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#### **Gender Indices**

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Assess the relationships and monitor the impacts gender policies can have on boosting country rankings in a large set of genderrelated international indices.



#### **Gender Analysis**

Analyse the relationships between and impacts of selected gender policies on a large set of international indices and on countries' macroeconomic performances.



#### Gender Initiatives

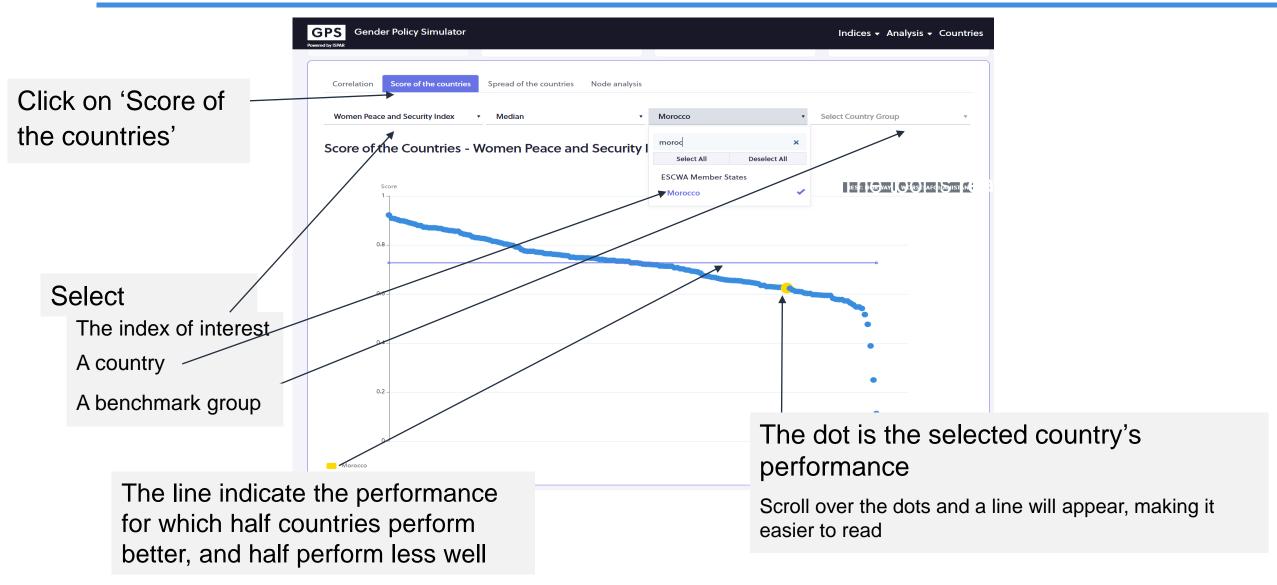
Discover gender-related initiatives and relevant areas of work at ESCWA.

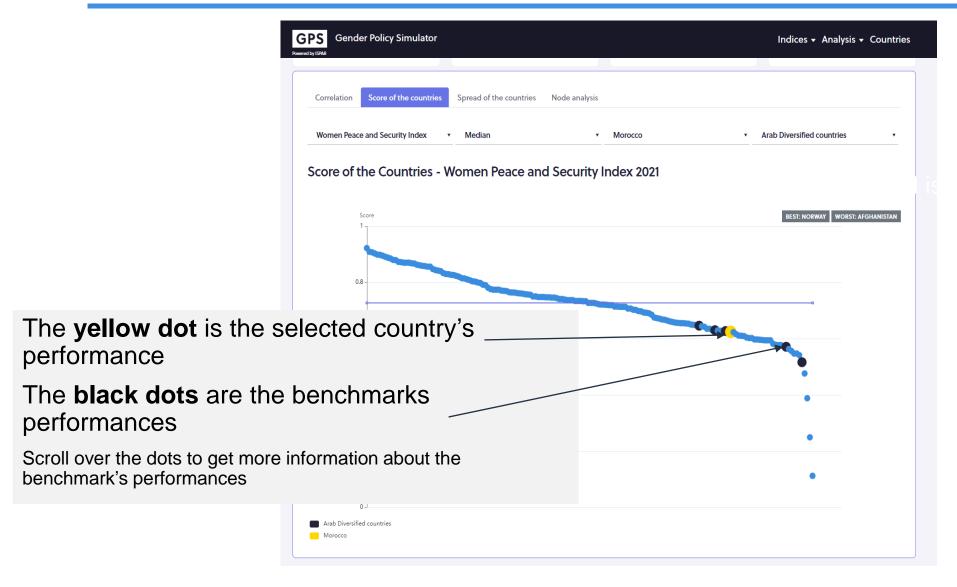
## **Simulations**

Go to

https://gender.unescwa.org

Click on 'Gender Analysis'







## Let's summarize what we have seen

- 1. How to generate a profile and compare our performances to other countries'
- 2. How to carry simulations and how the methodology used calls for a certain type of strategy
- 3. And how to use the platform to develop a short, medium and long-term strategy depending on the nature of the obstacles
- 4. How Composite Indices are linked together, hence the need to use Indices beyond the ones focusing on gender to evaluate potential for cooperation and trickledown effects

## What else the platform can help with?

As a same KPIs appear in more than one index, there is a need to understand interlinkages to get a full picture of the impact of gender policies on rankings



## The Thematic simulators

**only redundancy** of KPIs plays a role in the country's performance improvement across indices



**Gender Policy Simulator** 

Indices → Analysis → Countries

#### **Gender Policy Simulator**

The Gender Policy Simulator (GPS) platform offers a set of tools for identifying the most suitable policies for a comprehensive approach to ensuring sustainable improvements towards gender equality.



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#### **Gender Initiatives**

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## **Simulations**

Go to <a href="https://gender.unescwa.org">https://gender.unescwa.org</a>

Click on 'Gender-related Indices'

Indices ▼ Analysis ▼ Countries

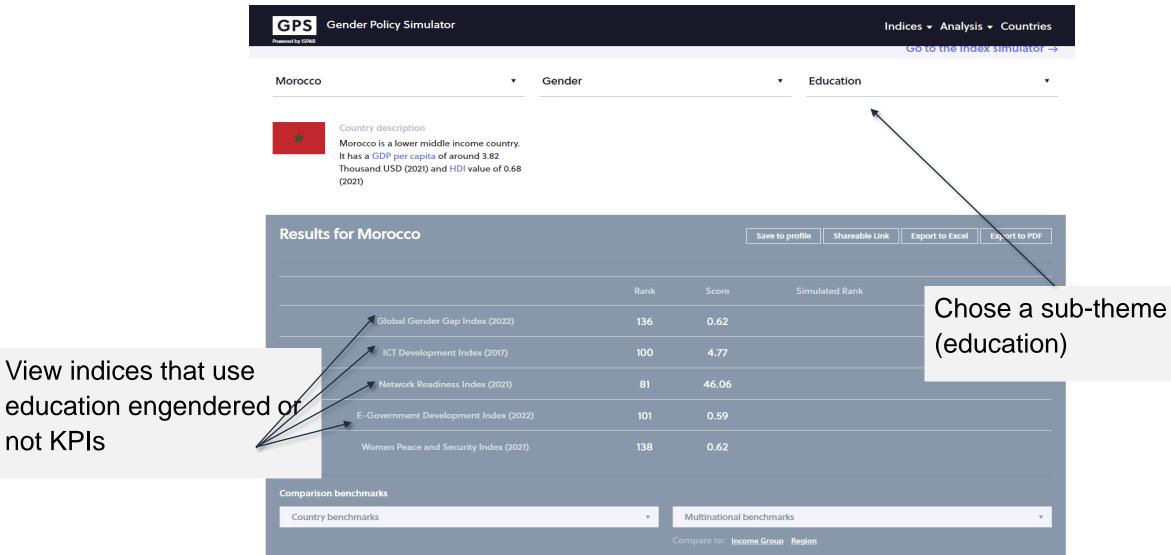
#### **The Gender Simulator**

This simulator is for advanced users who have an understanding of the indices and have reviewed their country's ranking in those indices. The Index Simulator allows you to imagine how a change in your country's performance in an index KPI would alter its overall ranking, and to select other countries for comparison.

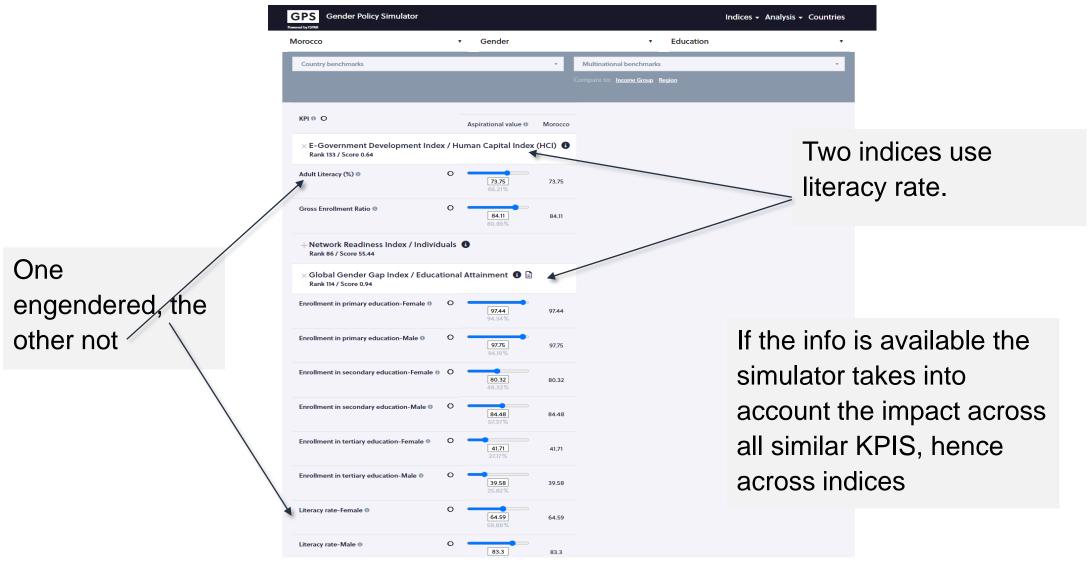
The tool is ready

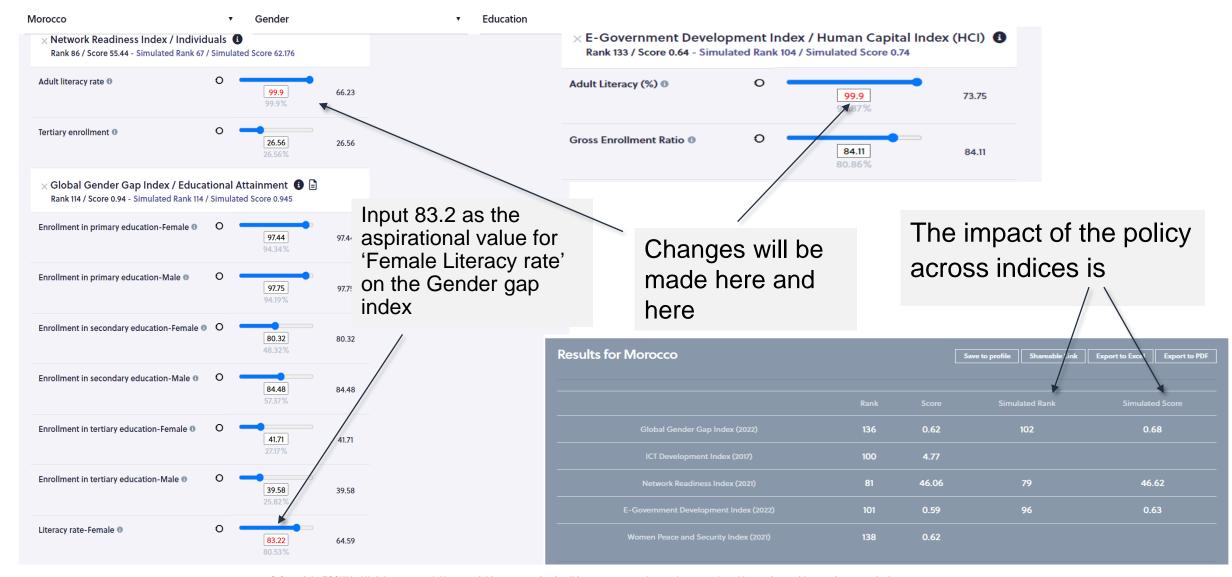
Go to the index simulator →

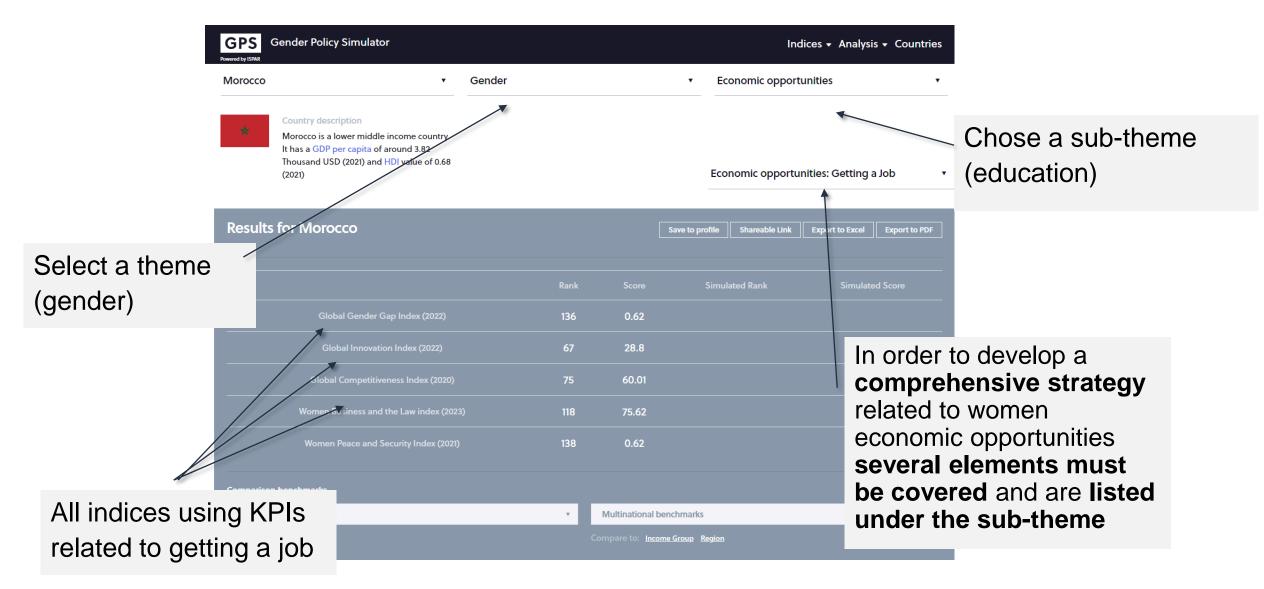




not KPIs







## What did we learn in this session so far?

As a same KPIs appear in more than one index, there is a need to understand interlinkages to get a full picture of the impact of gender policies on rankings

On the thematic simulators, only redundancy of KPIs plays a role in the country's performance improvement across indices

**BUT** do not forget to **take a look at** the correlations and the performance improvement due to **the indirect impact of policy changes across indices** 

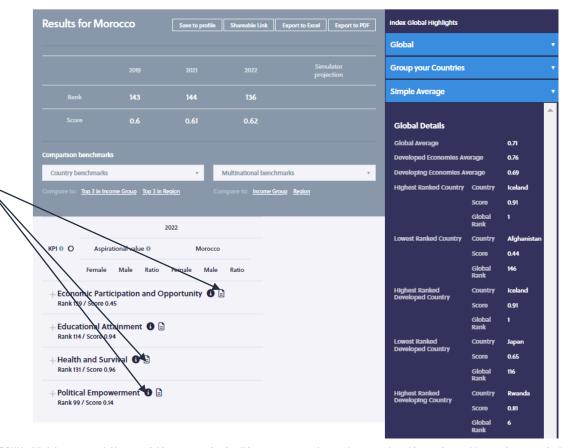
## And what about policy recommendations?

As Morocco performances are compared to more than 140 other countries, a policymaking tool should provide policy recommendations, lessons learnt and other countries experience regarding the dos and don'ts. So, where to find them on GPS or ISPAR?

## The Global Gender Gap Index



Policy recommendations can be found be clicking on the icon

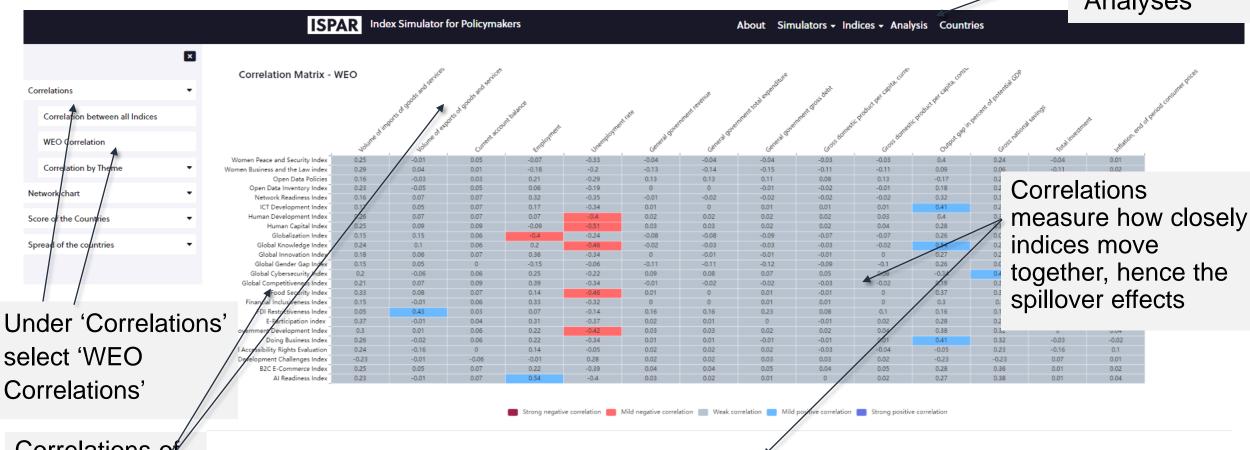


## What else the platform can help with?

- 1. As a same KPIs appear in more than one index, there is a need to understand interlinkages to get a full picture of the impact of gender policies on rankings
- 2. How to learn from other countries experience?
- 3. How to evaluate the impact of an improvement on a ranking on end developmental goals?

Understand and evaluate spillover effects

Under the tab 'Analyses'



Correlations of indices and macroeconomic outcomes

Correlation is a statistical measure that describes the relationship between two indices. A positive correlation means that both indices are increasing or decreasing in parallel. A negative correlation indicates that when a country's performance improves on one index it worsens on the other. The relation is strong if the correlation coefficient is greater than 0.7 (smaller than -0.7). it is milled if the coefficient is between 0.4 and 0.7 (or -0.7 and -0.4). Correlation coefficients, that appear on the table, can be used to assess how performances across indices tend to be linked to each other.

However, correlation must not be confused with causality. If two indices/indicators are correlated, it does not imply that one index/indicator causes the changes in another one. Correlation only assesses relationships between indices/indicators, and different factors may lead to the relationships. Causation may be a reason for the correlation, but it is not the only possible explanation.

## **Build your own scenario**

# Thanks for your time Nathalie GRAND\_grand@un.org request.unescwa.org

Nadya Khalife
Nadya.khalife@unescwa.org

## Thank you for your time!

