

Definitive data and analysis for the mobile industry

# Mobile Economic Impact Algeria

April 2018



The GSMA represents the interests of mobile operators worldwide, uniting more than 750 operators with nearly 400 companies in the broader mobile ecosystem, including handset and device makers, software companies, equipment providers and internet companies, as well as organisations in adjacent industry sectors. The GSMA also produces the industry-leading MWC events held annually in Barcelona, Los Angeles and Shanghai, as well as the Mobile 360 Series of regional conferences.

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# GSMA™ Intelligence

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# Summary

## Part 1 State of industry

Algeria has subscribers and mobile internet penetration over 70%, on par with more developed markets.

However, the market is lagging behind MENA in 4G, smartphone penetration and usage of mobile internet.

Promoting more and better infrastructure, consumer and content readiness is required to unlock the full economic impact potential of mobile

## Part 2 Economic impact in 2017



### Total impact

In 2017 the mobile ecosystem generated **3.7% of GDP**, or 6.7 bn. \$ in value added.

This will raise to 3.9% by 2022, or 7.6 bn \$., primarily due to increased take-up and usage of mobile internet

Role of device manufacturing and content, apps and services activity also expected to expand



### Employment

Firms in the mobile ecosystem created **26,000 direct jobs** in 2017

Their activity also supported the indirect employment of 72,000 people

This includes formal and informal employment, the latter being primarily associated to distribution and retail of mobile devices and services



### Public funding

Their contribution to public funding summed up **2.2% of government revenue** (1.1 bn. \$)



Half of the value added directly created by the mobile industry is kept by the government

Algeria has the highest number of mobile sector-specific taxes in MENA

# Summary

## Part 2 Economic impact in 2017

We expect continued growth in the economic impact of mobile in the period to 2022

	 <b>Total impact</b>	 <b>Direct employment</b>	 <b>Indirect employment</b>	 <b>Public funding</b>
2017	<b>3.7% GDP</b> 6.7 \$ bn	<b>26,000 direct jobs</b>	<b>72,000 indirect jobs</b>	<b>2% Government tax revenue</b> 1.1 \$ bn
2022	<b>3.9% GDP</b> 7.6 \$ bn	<b>30,000 direct jobs</b>	<b>77,000 indirect jobs</b>	<b>2.3% Government tax revenue*</b> 1.25 \$ bn

\*Calculated on the basis of 2017 government tax revenue

Source: GSMA Intelligence analysis

# 1. State of the industry

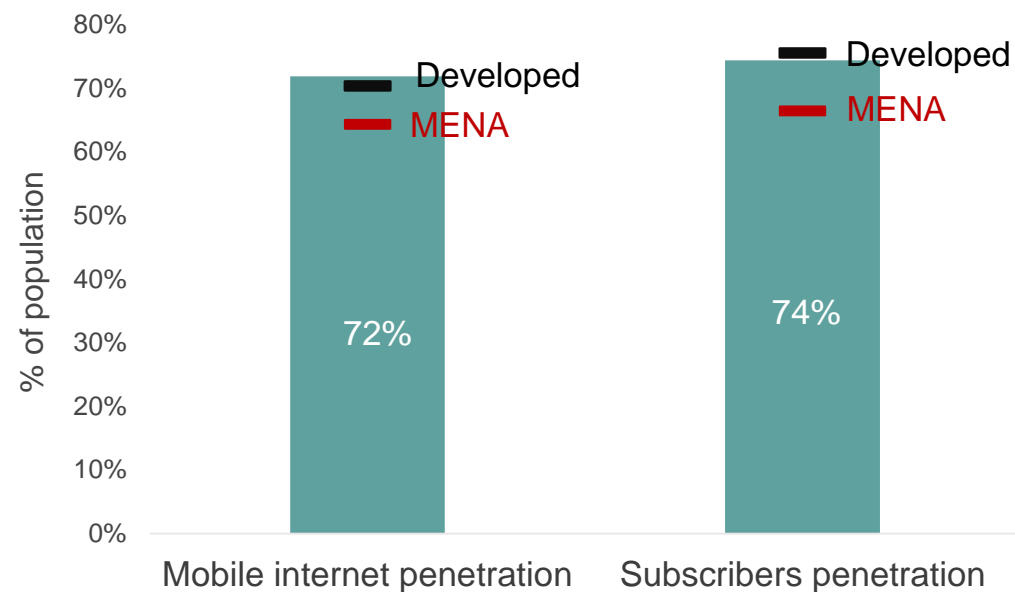
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Mobile Economic Impact: Algeria

## State of the industry: (1) mobile take up

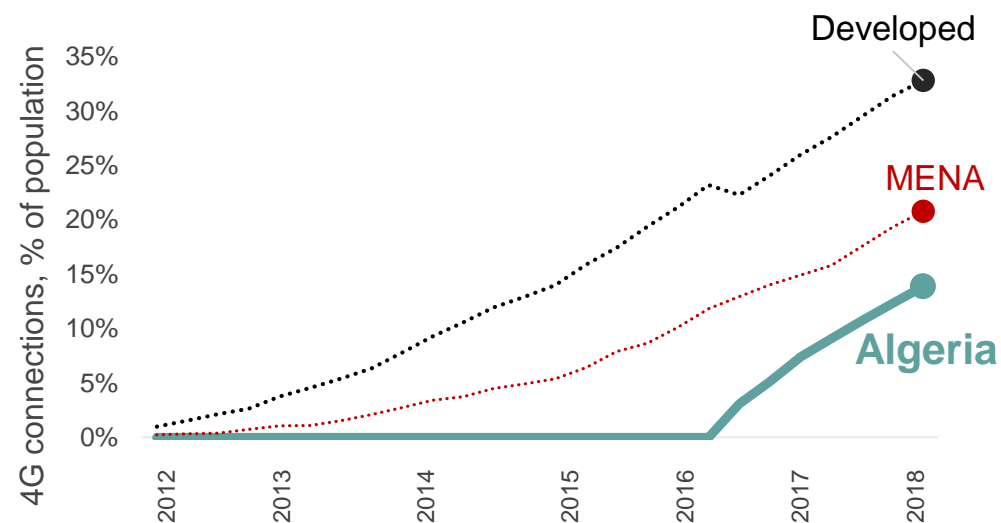
### Algeria's subscribers and mobile internet penetration is in line with more developed countries

It slightly outperforms MENA countries, with rates close to more developed markets as of Q1 2018.



### However, Algeria is lagging behind 4G and smartphone penetration

4G penetration is only 12%, 7 percentage points below MENA and half that of more developed countries.



Smartphone  
penetration

Algeria  
44%

MENA  
58%

Developed  
65%

Data source: GSMA Intelligence

## State of the industry: (2) consumer profile

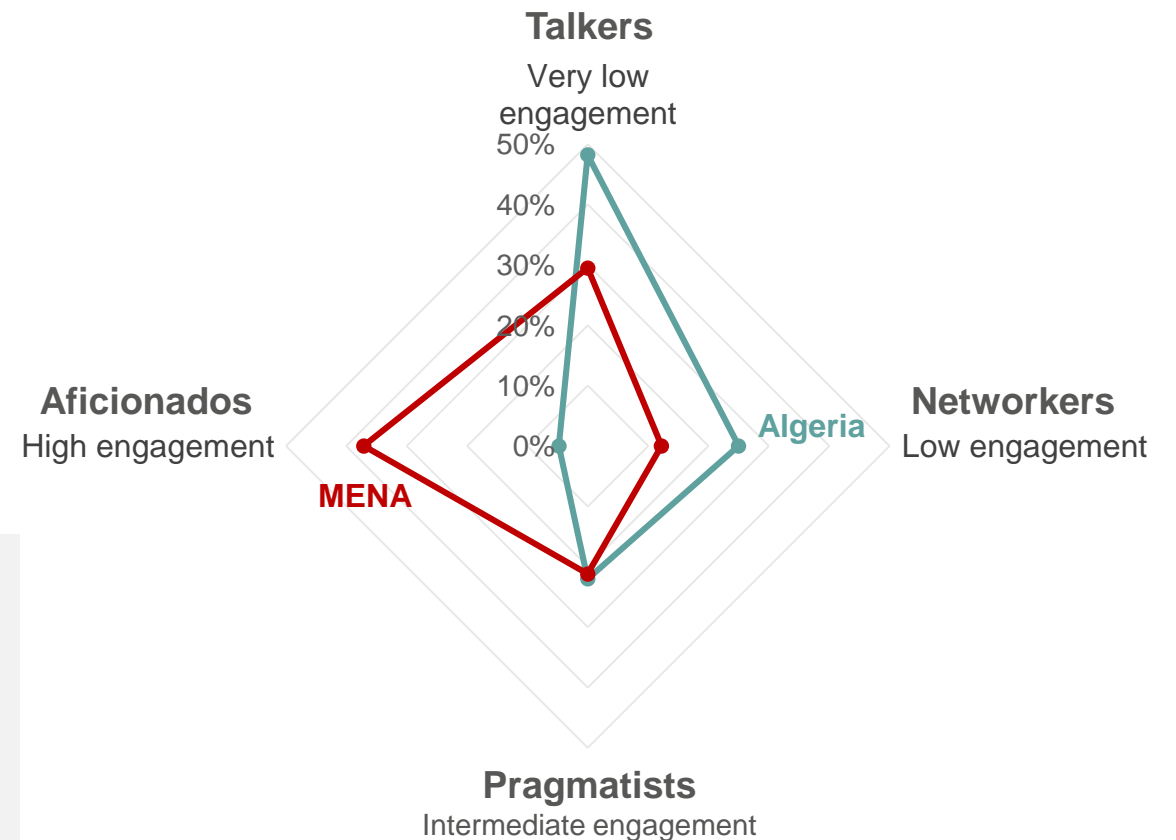
- Partly due to the low 4G take up and all the applications and uses that this brings, almost 80% of Algerian consumers mainly use mobile phones for traditional communications and basic mobile internet use cases ('Talkers' or 'Networkers')
- Few users in Algeria use mobile internet intensively, resulting in an **intense gap in the 'Aficionados' segment**. MENA countries have in general a much more engaged consumer profile

### 50% of Algerian consumers are 'Talkers'

- Mobile phones used essentially for voice/SMS
- Still experimenting with internet (web browsing, online news)
- Never uses their phones for media, e-commerce, financial services
- Almost never downloads apps and no interest in social networking
- Connected to 3G

### Consumer segmentation

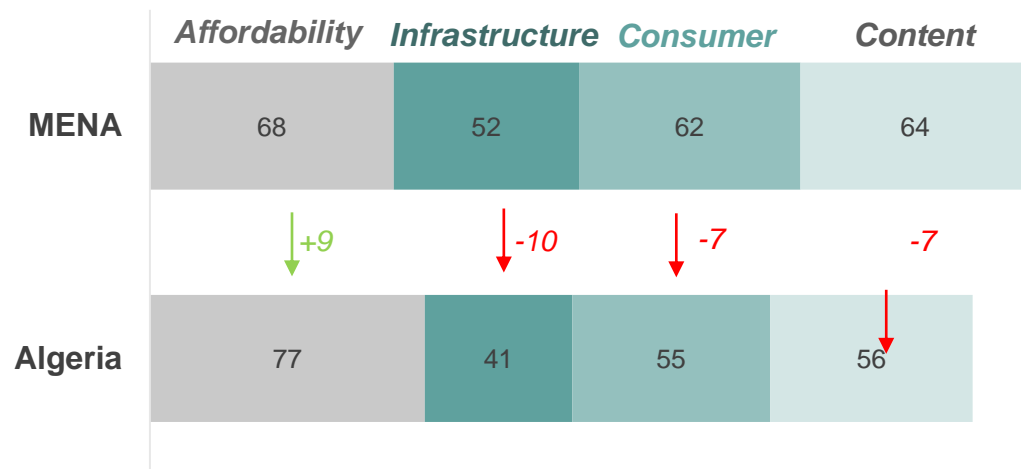
Global Mobile Engagement Index





## State of the industry: (3) connectivity enablers

### Mobile Connectivity Index 2017



The score of each enabler can range from 0 to 100

### Algeria's lag in 4G and smartphone penetration is due to lack of infrastructure, content and consumer readiness

- Algeria is a strong performer in affordability. However, its infrastructure, consumer and content and services scores are substantially below MENA's average.
- Infrastructure and content scores have improved over the last three years, but consumer readiness has not made progress

### Key areas of improvement in the MCI

Dimensions with scores < 70% that of developed markets

Infrastructure	Consumer readiness	Content
<ul style="list-style-type: none"> <li>Network coverage</li> <li>Network quality</li> <li>Spectrum</li> </ul>	<ul style="list-style-type: none"> <li>Gender inequality</li> <li>Inequality in general</li> </ul>	<ul style="list-style-type: none"> <li>Local relevance of content</li> </ul>

Data: Mobile Connectivity Index (2017). The MCI measures the performance of 150 countries against four key enablers of mobile internet connectivity: infrastructure, affordability, consumer readiness and content relevance.

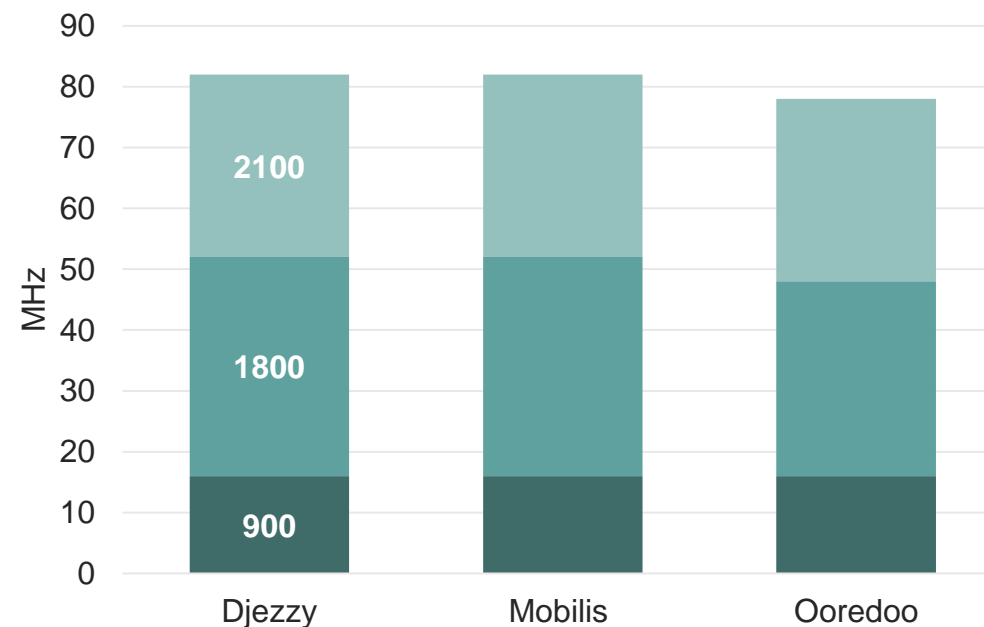


## State of the industry: (4) spectrum

### Poor infrastructure performance is partly due to little spectrum available to mobile services

- In total, Algeria has allocated 242 MHz for mobile services. This is only the 65% of the spectrum assigned on average in MENA countries.
- Only three bands have been assigned to MNOs– some MENA countries have already assigned Digital Dividend (700 and 800 MHz) or even 2.6 GHz.
- Djazzy and Mobilis have the same assignments, with Ooredoo 4 MHz less in the 1800 range.

Spectrum assignments (2018)



Total of 242 MHz for mobile services – compared to average of 377 MHz in MENA

## 2. Economic impact of the mobile ecosystem

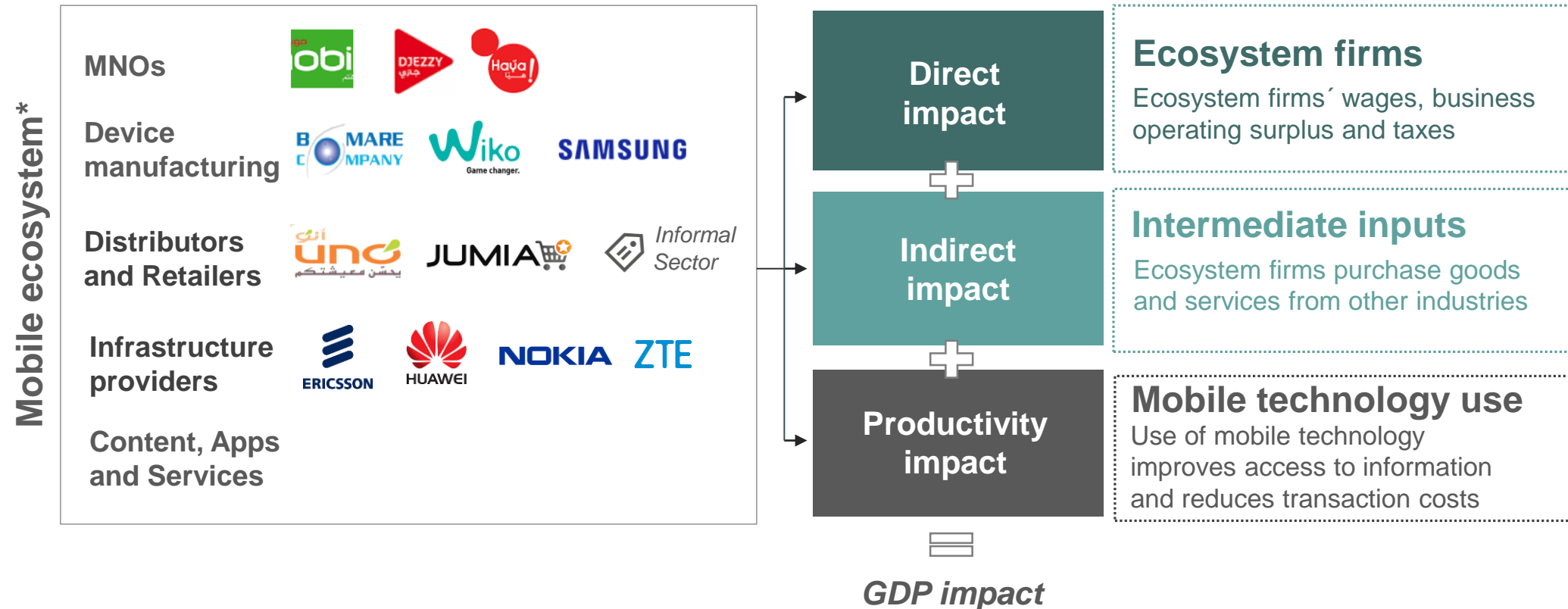
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Mobile Economic Impact: Algeria

## Economic impact of the mobile ecosystem in 2017

### *The mobile industry makes an important contribution to Algeria's economy*

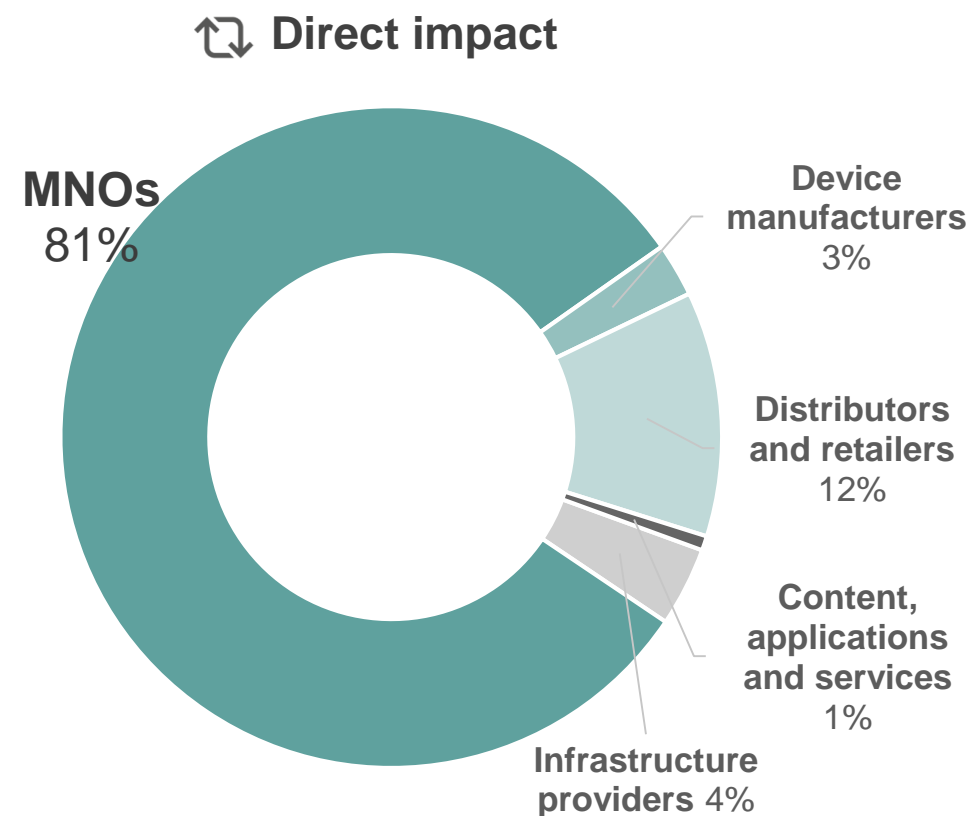
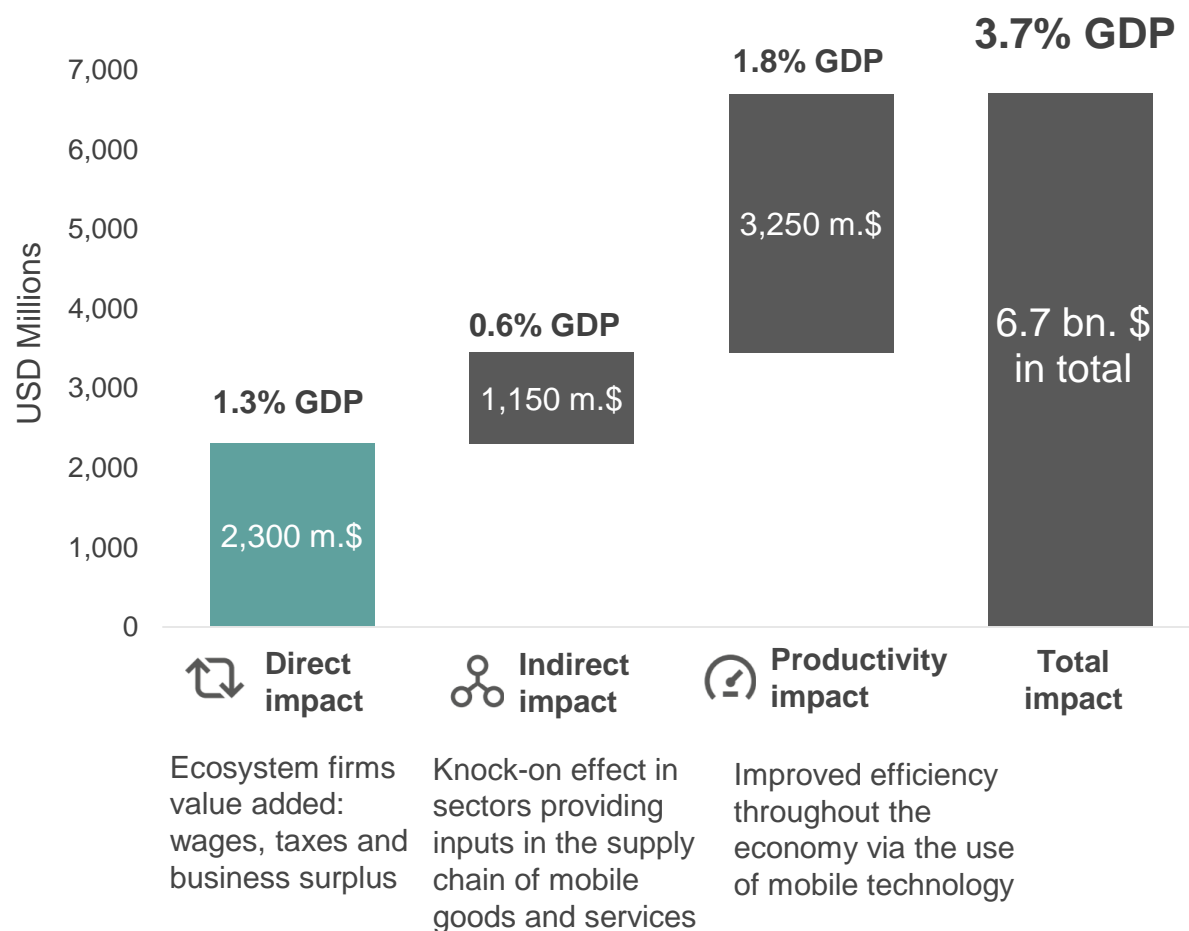
The economic value generated by the mobile ecosystem is through its direct, indirect and productivity impacts.



\* Selected firms

# Economic impact of the mobile ecosystem in 2017

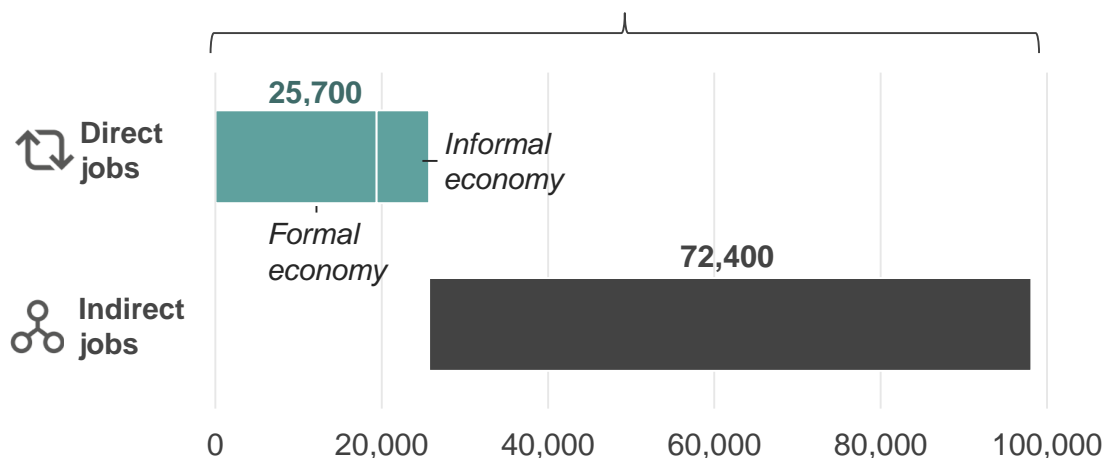
## 1. Total contribution to GDP



# Economic impact of the mobile ecosystem in 2017



## 2. Employment impact

100 th. jobs supported



One fourth of jobs were created directly in the ecosystem, and the rest was produced through the knock-on effect on the sectors that provide inputs for mobile goods and services.

Informal employment is mainly driven by the Distribution and Retail sector, which has higher informality levels, more in line with a large part of the Algerian economy.

↻ Direct jobs  = 250 people (formal economy)  = 250 people (informal economy)

Distributors and Retailers 13,900 jobs



Mobile operators 8,900 jobs



Infrastructure 1,100 jobs



Content, applications and services 900 jobs



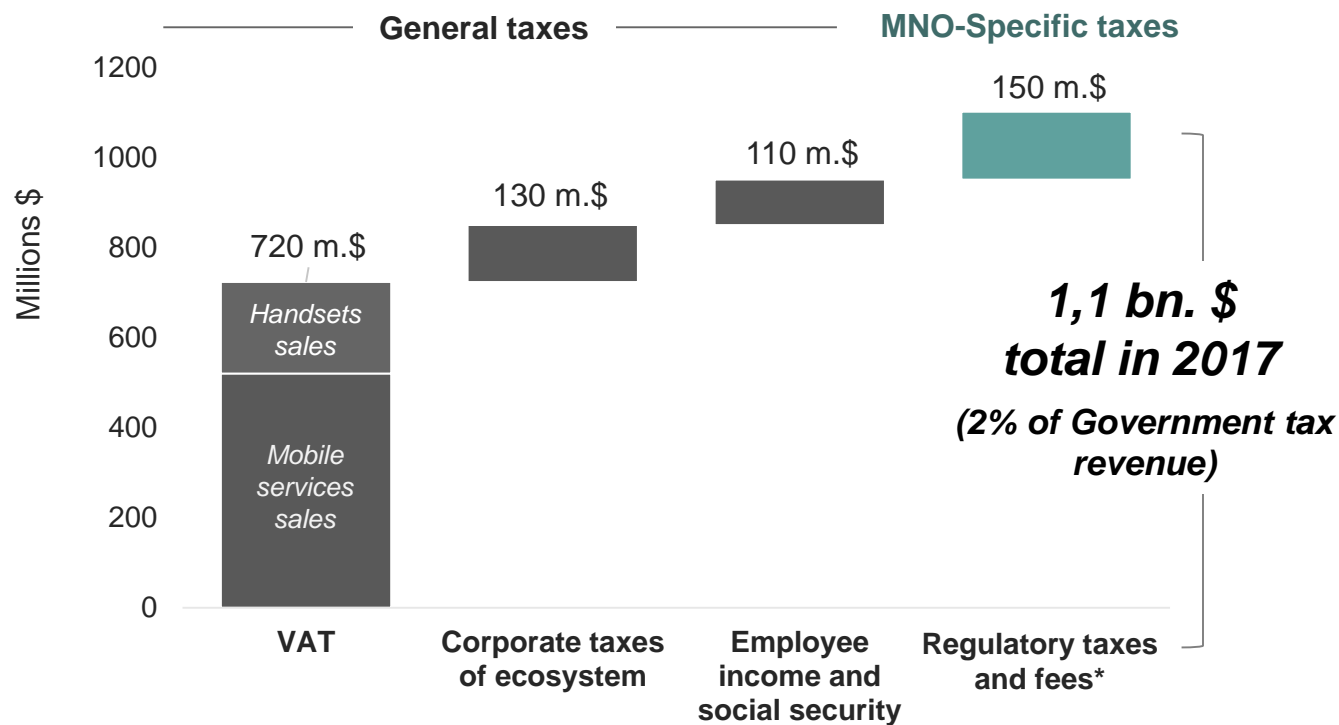
Device manufacturers 800 jobs



Expected to increase in 2018 with Wiko's new assembly plant and growth of Bomare Co. and Wiko's.

## Economic impact of the mobile ecosystem in 2017

### 3. Contribution to public funding of the entire mobile ecosystem



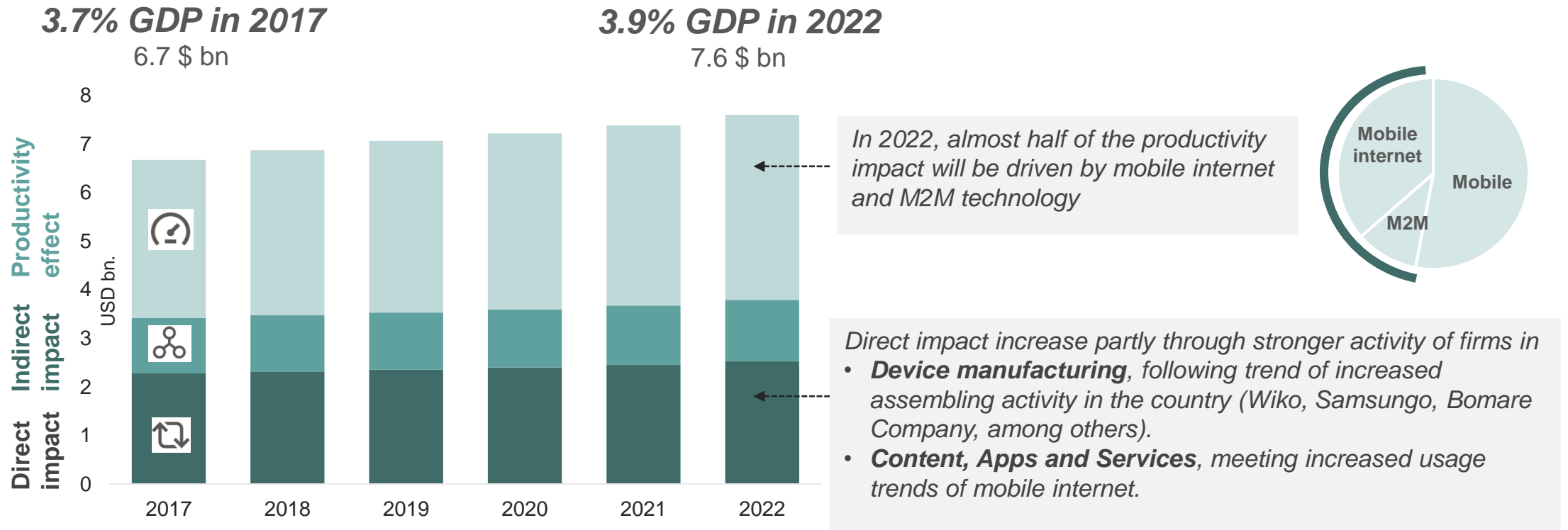
- The tax contribution of 1,110 million \$ means that **half of the value added directly created by the ecosystem is kept by the government.**
- This includes payments of general taxes across the entire ecosystem, as well as regulatory taxes and fees that are specifically applied to mobile operators (150 m. \$) – half of which correspond to the Universal Service Fund levy.
- These contributions do not account for spectrum auction payments – latest auction in 2016 resulted in additional 100 m.\$ for the government.

\*Excludes regulatory taxes and fees that are not based on mobile operator's revenue

## Economic impact of the mobile ecosystem

### 4. Forecast to 2022 (i)





Significant part of the increase in economic impact will be brought about by the increased take up of mobile internet in general, and 4G especially – but also through an expansion of the mobile ecosystem





## Economic impact of the mobile ecosystem

### 4. Forecast to 2022 (ii)

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Source: GSMA Intelligence analysis

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