## **EMPLOYMENT TECHNOLOGIES**

OPPORTUNITIES FOR AFRICA'S YOUTH Almost half of new labour market entrants since 2005 took jobs in the informal economy and one third in agriculture

Jobs often characterized by LOW









Technological change may be defined broadly "AS THE PROCESS BY WHICH ECONOMIES CHANGE OVER TIME IN RESPECT OF THE PRODUCTS THEY PRODUCE AND THE PROCESSES USED TO PRODUCE

Technological change in Africa

participating in markets

**Limited access** to finance

Poor infrastructure, low quality of domestic inputs

Low supply of lower and upper secondary educated graduates

Challenges

**Generating rapid** technological change and diversification in all sectors remians a challenge

**Emerging production** technologies may also have disruptive impact on global value chains

**Insourcing will** significantly limit opportunities of developing countries

New technologies increasingly applied to technical professions will affect trasnform these jobs

## Africa's Technology Landscape

Africa has made considerable progress

in economic growth. However, in many

cases, the pattern of growth has not

been able to generate enough decent jobs

to absorb the growing labour force.

African Low levels of have technology collectively taken initiatives Share of

manufacturing in the GDP of African countries is still low

Limited dynamism in upgrading technologies

> Low productivity jobs and wages

governments

Share of high skill-intensive jobs has been increasing

Crafts and artisan sector is characterized higher levels of education and more formal technical training

Digital technologies have rapidly diffused largely through mobile phones

## **Oppurtunities**

Diversify into higher value-added products



Shift from export to processing of natural resources



**Explore** newly emerging manufacturing technologies.



**Cloud sourcing:** a new business model

Digital information and communications technologies (ICTs) allow people to pursue

opportunities to generate income, reduce transaction costs and lower the costs



Develop regional value chains to generate jobs in textile and garments



Jump into the cutting edge technology and attract FDI



**PROMOTE LABOUR MARKET INSTITUTIONS AND IMPLEMENT REGULATORY FRAMEWORKS** 

**DEVELOP A DIVERSE** AND SOPHISTICATED **KNOWLEDGE BASE IN** THE LABOUR FORCE

**BUILD DOMESTIC** CAPABILITIES THROUGH LEARNING

> **INVESTMENT IN INFRASTRUCTURE**

UNDERSTAND THEIR COUNTRY-SPECIFIC **CAPABILITIES** 

> **INVESTMENT IN PRODUCTIVE CAPACITIES**

**PROMOTE INTEGRATION OF DOMESTIC FIRMS INTO VALUE CHAINS** 

What can governments to encourage technological change

**PROMOTE TRANSFER OF TECHNOLOGIES** FROM LEADING FIRMS TO DOMESTIC **SUBCONTRACTORS** 

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