



SORGHUM,
A KEY TO BUILD
OUR FUTURE.

3RD EUROPEAN SORGHUM CONGRESS

Sorghum culture in Africa, some little facts and figures about western & Sahel countries



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility.
The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





SORGHUM,
A KEY TO BUILD
OUR FUTURE.

3RD EUROPEAN SORGHUM CONGRESS

Dr. Félix Badolo

*Agroeconomist at
the International Crops Research
Institute for the Semi-Arid Tropics*



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility.
The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





SORGHUM,
A KEY TO BUILD
OUR FUTURE.



3RD EUROPEAN SORGHUM CONGRESS

Widely small scale (1 -10ha),
mainly manual, subsistence
food oriented & completely
out of any value chain;
**Sorghum made up to 40% of
world consumption in 2016;
while it was producing up to
32% of world sorghum
through sorghum producing
countries like :**

Nigeria : 6.50
Sudan : 5.50
Ethiopia : 3.70
Burkina Faso : 1.90
Mali : 1.30
Niger : 1.30
Cameroun 1.15
Tanzania : 0.80
Egypte : 0.75
Ouganda : 0.32
Ghana : 0.30
Mozambique : 0.20
South Africa : 0.18



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility.
The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





West African countries are heading the continent major sorghum producing countries with 11.3 Mt/year

But no matter what the performance of their Ag Research in finding new sorghum varieties ; For instance, by 2018, the ECOWAS (Ecowas, cilss, UEMOA) seeds catalog alone was cumulating up to 192 new sorghum varieties (23 hybrids seeds & 169 non hybrids seeds).



SORGHUM,
A KEY TO BUILD
OUR FUTURE.

3RD EUROPEAN SORGHUM CONGRESS



Their new sorghum seeds' contribution to the region sorghum production records is still low : Less than 30% adoption rate by 2017.

In fact, the west african and sahel countries sorghum production records are, still very much leaning upon traditionnal seeds !



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility.
The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





SORGHUM,
A KEY TO BUILD
OUR FUTURE.

3RD EUROPEAN SORGHUM CONGRESS



But letting aside this variety issues and going beyond the annual production figures to consider Sorghum production on the long run in the region;

**It seems to be lowering : -
For instance, from 65% in the 1960's; it's production levels fell down to 41% of all cultivated lands in west African & sahel regions by the 2010's(*in combination with millet please!*)**



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility.
The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





SORGHUM,
A KEY TO BUILD
OUR FUTURE.

3RD EUROPEAN SORGHUM CONGRESS



And this level is predicted to be falling up to 17% of all cultivated lands in the west african and sahel countries by 2027.

In comparison with other competitors crops like maize (35.3%), rice (36.5%), peanuts, soyabean, sesame and specially cotton.



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility.
The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





SORGHUM,
A KEY TO BUILD
OUR FUTURE.

3RD EUROPEAN SORGHUM CONGRESS



Except security issues facing that west african and sahel region's sorghum production clusters since the 2010's ...;

That general downscaling of sorghum production levels over the years has more to do with changes in diet & consumption practices.



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility.
The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





SORGHUM,
A KEY TO BUILD
OUR FUTURE.

3RD EUROPEAN SORGHUM CONGRESS



By 2016, sorghum consumption figures in the African western and Sahel countries were estimated around 35.4 kg/y/individual Versus 40.6kg/y/ individual in the 1960's.

In fact, the legendary *sorghum – millet – maize* based diet of the 1960's underwent so many changes, it now completely turned up into a *Rice – Maize – Millet-Sorghum* based diet.



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility. The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





SORGHUM,
A KEY TO BUILD
OUR FUTURE.



3RD EUROPEAN SORGHUM CONGRESS

**Beyond diet change factors,
Sorghum production fall has
also to do with :**

-New seeds varieties lack of dissemination : *(For instance, by 2017, out of 53 new sorghum varieties developped in Mali; 11 were already abandonned; 30 were left unexploited, Only 12 were on sale.*

- *These contributed to the sale of 364 tons sorghum seeds (3 tons from Vietnam), less than 25% of which were sold in small packages under 5 kg.)*



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility.
The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





SORGHUM,
A KEY TO BUILD
OUR FUTURE.

3RD EUROPEAN SORGHUM CONGRESS



Unavailability of sorghum based new foods & beverages as well as lack of infos about their nutritional benefits;

Local transformation industries offers are still very much limited to sorghum powder. They are not yet adopting existing sorghum based new smart foods.



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility. The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





SORGHUM,
A KEY TO BUILD
OUR FUTURE.

3RD EUROPEAN SORGHUM CONGRESS



**Even if it's a very traditional
crop in AFRICA, particularly
in it's western and sahel
countries ;**

Sorghum is no
longer the leading crop nor
the staple food it used to be !
Many changes happened to
local ancient diet patterns
since the 1960's



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility.
The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





SORGHUM,
A KEY TO BUILD
OUR FUTURE.

3RD EUROPEAN SORGHUM CONGRESS



As many weaknesses,
Advocating for the :

- Rebuilding in African western & sahel regions of a new Sorghum production culture through new high yield varieties;
- Renewal of the Sorghum consumption culture through existing new sorghum based smart foods & beverages

All of which may lead to the Building of a whole Sorghum value chain .
And value chain is what exactly lacks the current sorghum production activities in these major African top sorghum producing countries.



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility.
The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.





SORGHUM,
A KEY TO BUILD
OUR FUTURE.

3RD EUROPEAN SORGHUM CONGRESS



This could be a huge opportunity in these climate change and booming population era. According to latest studies related to the matter...

Future of cereals' culture is, in great part, for Sorghum in Africa ; specially in it's western & sahel regions due to sorghum:

-High adaptability potential to climate change effects,

**- Nutritional benefits
*as well as***

- New varieties high yields potential



CAMPAIGN FINANCED
WITH AID FROM
THE EUROPEAN UNION

The content of this promotion campaign represents the views of the author only and is his/her sole responsibility.
The European Research Executive Agency (REA) do not accept any responsibility for any use that may be made of the information it contains.

