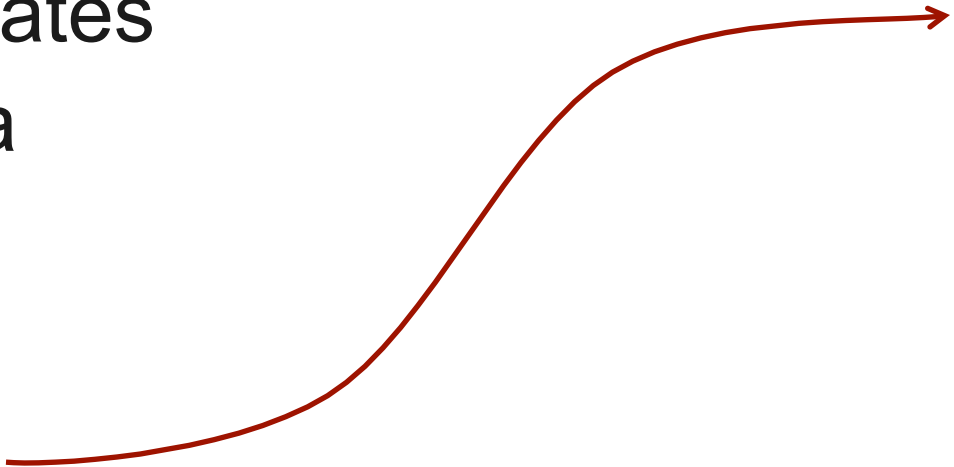# Dickinson

Education and Economic Development
Global Business School Network

Margee M. Ensign

President, Dickinson College

November 2, 2017

Rapid Demographic Change

2013

1. China
2. India
3. United States
4. Indonesia
5. Brazil
6. Pakistan
7. Nigeria
8. Bangladesh
9. Russia
10. Japan

2045
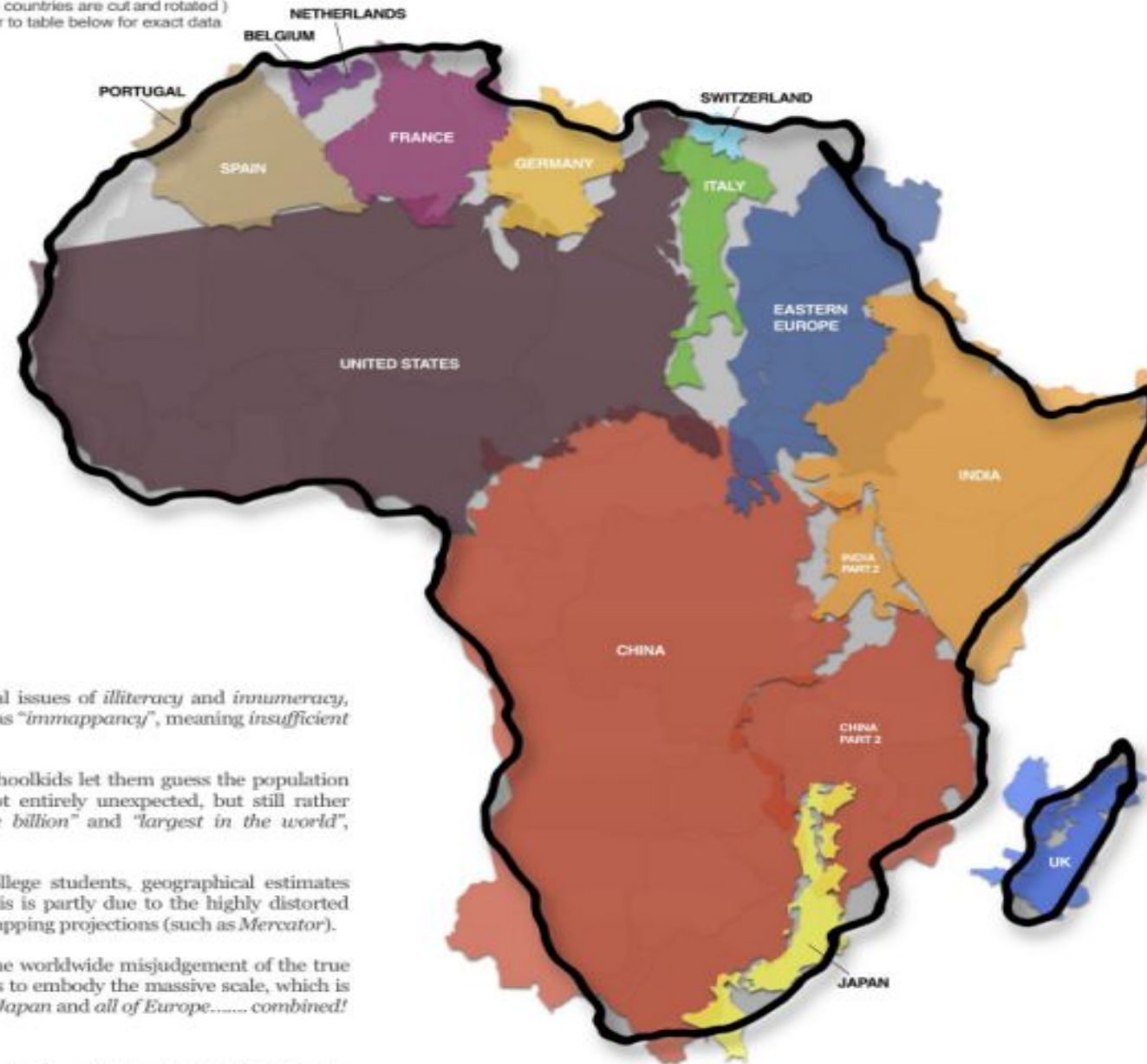
1. India
2. China
3. Nigeria
4. United States
5. Indonesia
6. Pakistan
7. Brazil
8. Bangladesh
9. Congo, Dem. Rep
10. Ethiopia

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The **True Size** of Africa

A small contribution in the fight against rampant *Immappancy*, by **Kai Krause**

Graphic layout for visualization only (some countries are cut and rotated)
But the conclusions are very accurate: refer to table below for exact data

COUNTRY	AREA x 1000 km²
China	9.597
USA	9.629
India	3.287
Mexico	1.964
Peru	1.285
France	633
Spain	506
Papua New Guinea	462
Sweden	441
Japan	378
Germany	357
Norway	324
Italy	301
New Zealand	270
United Kingdom	243
Nepal	147
Bangladesh	144
Greece	132
TOTAL	**30.102**
AFRICA	**30.221**

In addition to the well known social issues of *illiteracy* and *innumeracy*, there also should be such a concept as "*immappancy*", meaning *insufficient geographical knowledge*.

A survey with random American schoolkids let them guess the population and land area of their country. Not entirely unexpected, but still rather unsettling, the majority chose "1-2 billion" and "largest in the world", respectively.

Even with Asian and European college students, geographical estimates were often off by factors of 2-3. This is partly due to the highly distorted nature of the predominantly used mapping projections (such as *Mercator*).

A particularly extreme example is the worldwide misjudgement of the true size of *Africa*. This single image tries to embody the massive scale, which is larger than the *USA*, *China*, *India*, *Japan* and *all of Europe*........ combined!

Top 100 Countries
Area in square kilometers, Percentage of World Total
Sources: Britannica, Wikipedia, Almanac 2010

		AREA km²	%
1	Russia	17.098.242	11.50
2	Canada	9.984.670	6.70
3	China	9.596.961	6.40
4	United States	9.629.091	6.40
5	Brazil	8.514.877	5.70
6	Australia	7.692.024	5.20
7	India	3.287.263	2.30
8	Argentina	2.780.400	2.90
9	Kazakhstan	2.724.900	1.90
10	Sudan	2.505.813	1.70
11	Algeria	2.381.741	1.60
12	Congo	2.344.858	1.80
13	Greenland	2.166.086	1.50
14	Saudi Arabia	2.149.690	1.40
15	Mexico	1.964.375	1.30
16	Indonesia	1.860.360	1.30
17	Libya	1.759.540	1.20
18	Iran	1.628.750	1.10
19	Mongolia	1.564.100	1.10
20	Peru	1.285.216	0.86
21	Chad	1.284.000	0.86
22	Niger	1.267.000	0.85
23	Angola	1.246.700	0.85
24	Mali	1.240.192	0.83
25	South Africa	1.221.037	0.82
26	Colombia	1.141.748	0.76
27	Ethiopia	1.104.300	0.74
28	Bolivia	1.098.581	0.74
29	Mauritania	1.025.520	0.69
30	Egypt	1.002.000	0.67
31	Tanzania	945.087	0.63
32	Nigeria	923.768	0.62
33	Venezuela	912.050	0.61
34	Namibia	824.116	0.55
35	Mozambique	801.590	0.54
36	Pakistan	796.095	0.53
37	Turkey	783.562	0.53
38	Chile	756.102	0.51
39	Zambia	752.612	0.51
40	Myanmar	676.578	0.45
41	Afghanistan	652.090	0.44
42	Somalia	637.657	0.43
43	France	632.834	0.43
44	C. African Rep	622.984	0.42
45	Ukraine	603.000	0.41
46	Madagascar	587.041	0.39
47	Botswana	582.000	0.39
48	Kenya	580.367	0.39
49	Yemen	527.968	0.35
50	Thailand	513.120	0.34
51	Spain	505.992	0.34
52	Turkmenistan	488.100	0.33
53	Cameroon	475.442	0.32
54	Papua New Guinea	462.840	0.31
55	Uzbekistan	447.400	0.30
56	Morocco	446.550	0.30
57	Sweden	441.370	0.30
58	Iraq	438.317	0.29
59	Paraguay	406.752	0.27
60	Zimbabwe	390.757	0.26
61	Japan	377.930	0.25
62	Germany	357.114	0.24
63	Rep. Congo	342.000	0.23
64	Finland	338.419	0.23
65	Vietnam	331.212	0.22
66	Malaysia	330.803	0.22
67	Norway	323.802	0.22
68	Côte d'Ivoire	322.463	0.22
69	Poland	312.685	0.21
70	Oman	309.500	0.21
71	Italy	301.336	0.20
72	Philippines	300.000	0.20
73	Burkina Faso	274.222	0.18
74	New Zealand	270.467	0.18
75	Gabon	267.668	0.18
76	Western Sahara	266.000	0.18
77	Ecuador	256.369	0.20
78	Guinea	245.857	0.17
79	United Kingdom	242.900	0.16
80	Uganda	241.038	0.16
81	Ghana	238.539	0.16
82	Romania	238.391	0.16
83	Laos	236.800	0.16
84	Guyana	214.969	0.14
85	Belarus	207.600	0.14
86	Kyrgyzstan	199.951	0.13
87	Senegal	196.722	0.13
88	Syria	185.180	0.12
89	Cambodia	181.035	0.12
90	Uruguay	176.215	0.12
91	Suriname	163.820	0.11
92	Tunisia	163.610	0.11
93	Nepal	147.181	0.10
94	Bangladesh	143.998	0.10
95	Tajikistan	143.100	0.10
96	Greece	131.957	0.09
97	Nicaragua	130.373	0.09
98	North Korea	120.538	0.08
99	Malawi	118.484	0.08
100	Eritrea	117.600	0.08
	TOP 100 TOTAL	132.632.524	89.34

United States

Europe

India

Japan

China

Map labels: NETHERLANDS, BELGIUM, PORTUGAL, SPAIN, FRANCE, GERMANY, ITALY, SWITZERLAND, EASTERN EUROPE, UNITED STATES, INDIA, INDIA PART 2, CHINA, CHINA PART 2, JAPAN, UK
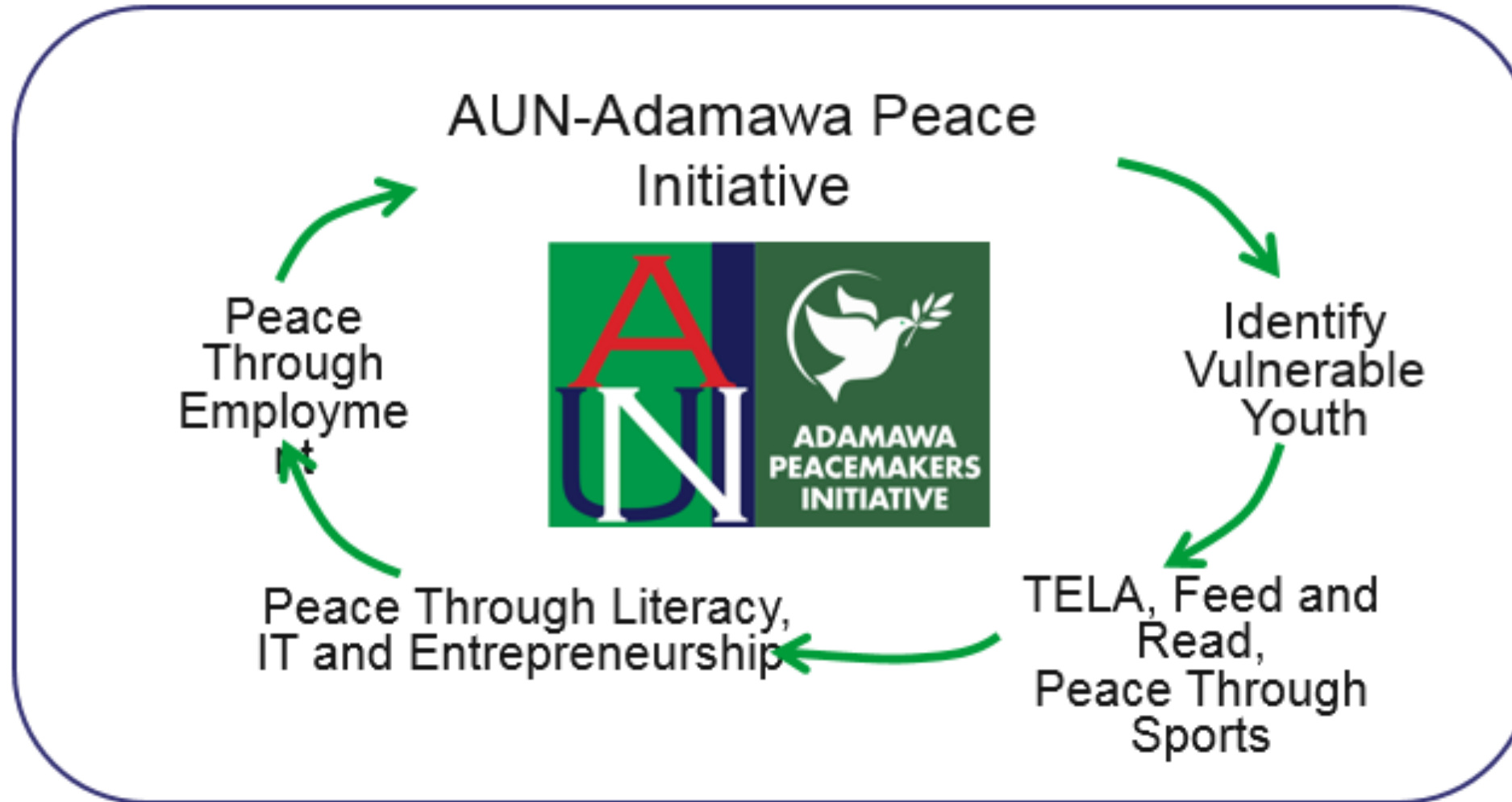
AUN-Adamawa Peace Initiative (AUN-API) established in January 2012 –as Boko Haram threat emerged to ensure that our city and region lived in peace and harmony.

- Focus: vulnerable youth
- Members: Prominent Christian and Muslim leaders, community/NGO leaders
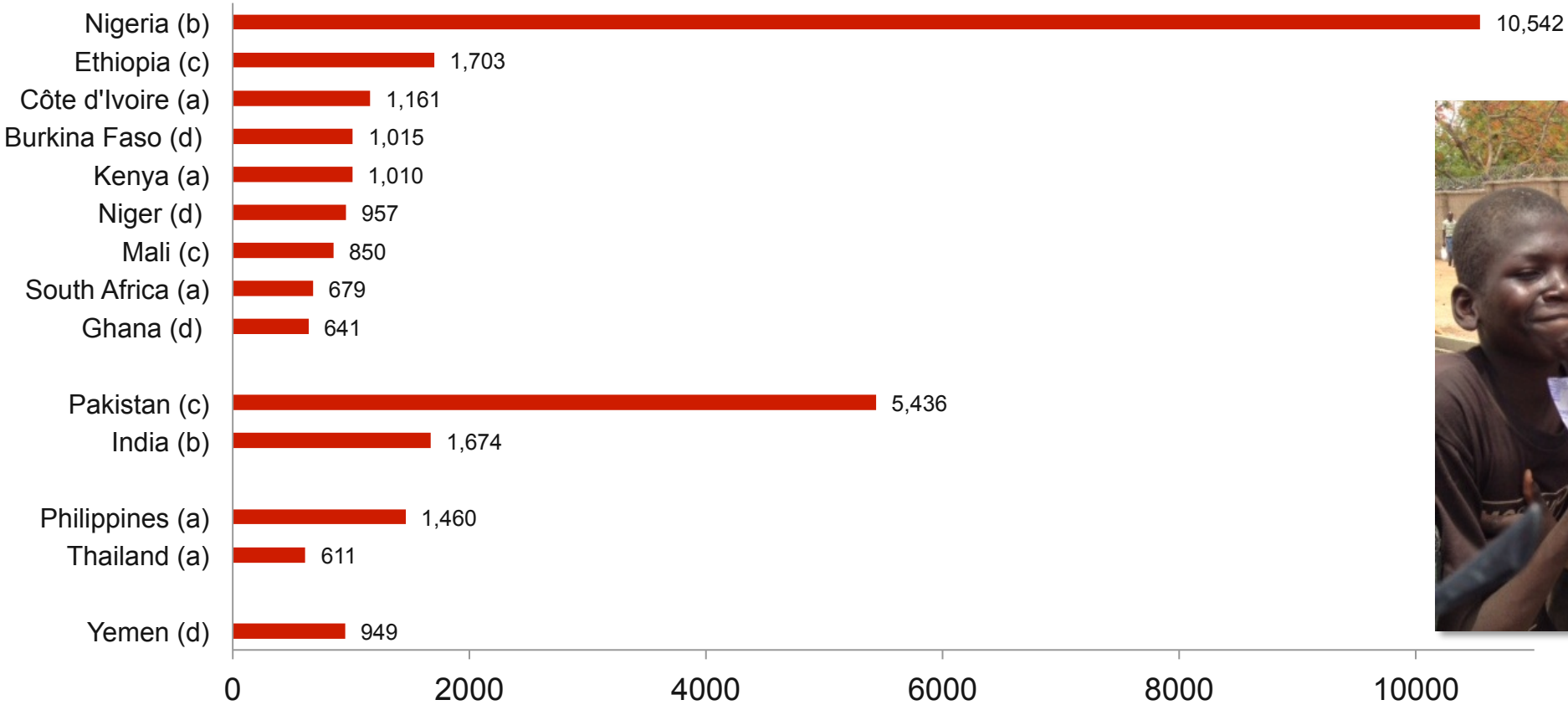- Peacemakers focus on peace, prevention and development

AUN-API Pathways to Peace through Education

Number of Out of School Children 2009-14

Nigeria (b) — 10,542
Ethiopia (c) — 1,703
Côte d'Ivoire (a) — 1,161
Burkina Faso (d) — 1,015
Kenya (a) — 1,010
Niger (d) — 957
Mali (c) — 850
South Africa (a) — 679
Ghana (d) — 641

Pakistan (c) — 5,436
India (b) — 1,674

Philippines (a) — 1,460
Thailand (a) — 611

Yemen (d) — 949

Out-of-school children (thousands)

Source: UNESCO ,
Notes: (a) refers to data from 2009. (b) refers to data from 2010. (c) refers to data from 2011. (d) refers to data from 2012

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Technology Enhanced Learning for All (TELA)

- 20,000 listeners to radio show written and produced by AUN faculty members and students

- 2,000 learners on tablet computers
  - Apps in Hausa and Fulfulde, written by AUN students

- Literacy and numeracy soared

TELA: Applied Research

- AUN students and faculty worked in 750 learning centers in Yola

- Conducting research, doing statistical analysis

- Confronting great problems and finding solutions

Generating Income

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Creating with Threads

Dolls, Literacy and Employment

When women have income and are empowered:

- ✓Girls and boys are educated
- ✓Families are smaller and healthier
- ✓National economic growth increases
- ✓Corruption is reduced
- ✓All in society benefit

Peace Through Sports

- Unity teams: Muslim and Christian youth playing together

- Peace and entrepreneurship curriculums

- More than 400 football and volleyball tean

- 32,000 participated 2014-16

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"It's either you or Boko Haram. There's nothing else here for us."
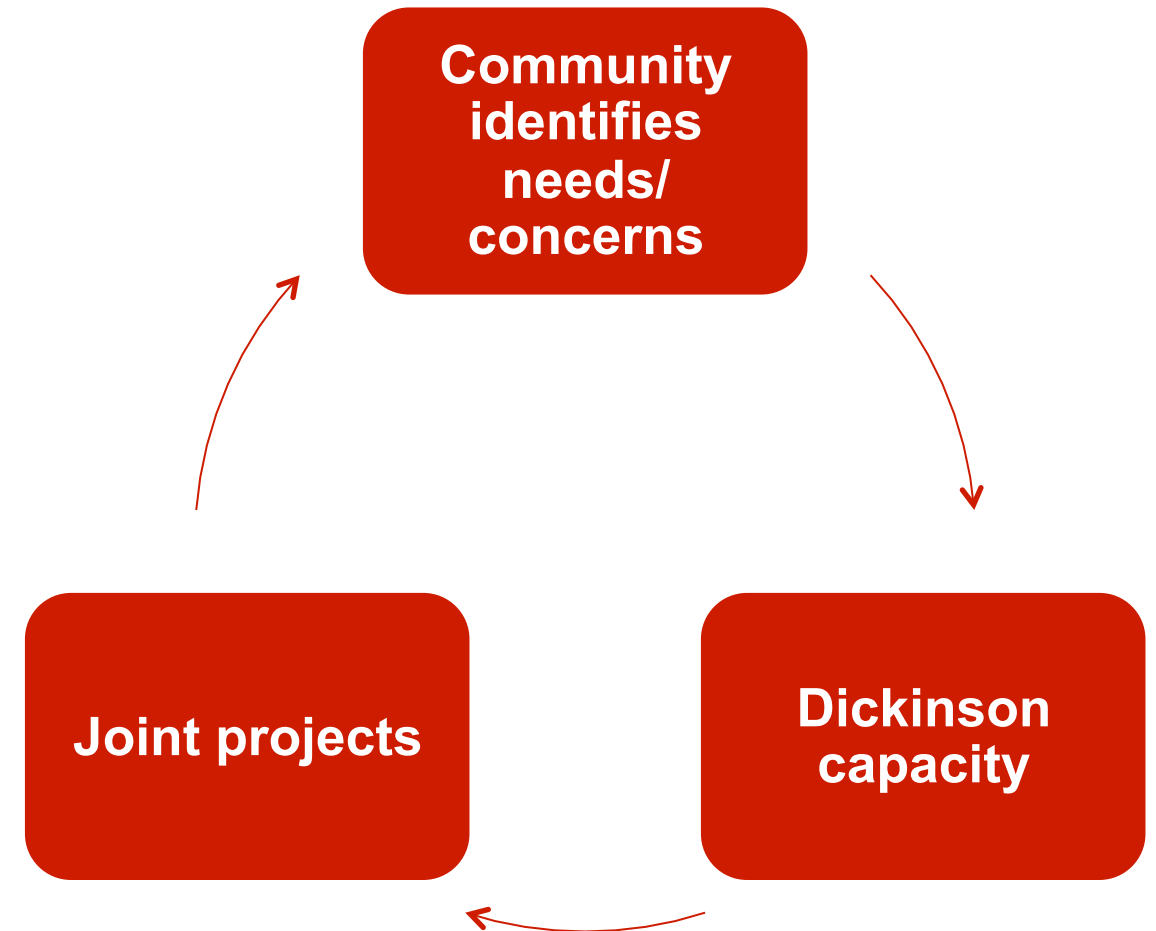
U.S. and the World-Rapid Change

- Time of great uncertainty/polarization

- **Wonderful labor saving technologies** which have eliminated so much drudgery can bring about the loss of jobs and careers, and the destruction of communities and lives.

- Rapid changes in technology/globalization have changed the way we work, play and learn.

- U.S. facing multiple national and international challenges.

- **Positive local initiatives are essential for solving problems and advancing progress and development – colleges and universities can play key roles.**

Dickinson: Civic Engagement

- President's Commission on Civic and Community Learning & Engagement

- Working with community leaders to gather input for strategic direction

- Embedding civic learning, community-based work and ethics in the curriculum

Community identifies needs/ concerns

Dickinson capacity

Joint projects

Community Priorities

➢ Affordable housing

➢ Jobs (training and workforce development)

➢ Education – pipelines

➢ Childcare

➢ Health challenges

➢ Communications among non-profits, agencies, municipal leaders, citizens, etc.

➢ Opioid crisis

➢ Community/crisis (how we build community – the kind of community we are so that in crisis people are not alone)

➢ Parental involvement

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Dickinson: Civic Engagement

Helen Takacs, SINE 400: Senior Seminar in Social Innovation and Entrepreneurship

- Using the annually collected Point-In-Time data on homeless persons, the students have developed the area's first trends analysis for the years 2012 to 2017. This research shows both the persistence of homelessness in our area and also how it is changing over time

- The students have already shared this trends analysis with some of the community organizations working to address homelessness

- The students are currently engaged in a review of best practices and innovations for addressing homelessness from around the country

- Soon, they will be interviewing community leaders to assess which of these best practices and innovations are most appropriate for our area. Students will share this research report with community organizations at the end of the semester