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The World We Live In

Economic, Social, and Environmental Contexts

Trawsnewid Addysg; Trawsnewid Bywydau
Transforming Education; Transforming Lives



www.uwtsd.ac.uk

The World We Live In Economic

- Loss of traditional livelihoods
- High unemployment rates
 - Especially among youth
- Declining standards of living
- ‘Economic Migrants’

The World We Live In Social

- Death of world languages
- Loss/corruption of traditional and/or indigenous cultures
- Movement of people
 - ‘Empty villages’ in Southern Europe
- The pressure of the ‘melting pot’

The World We Live In Environmental

- Desertification
- Drought
- Changing weather patterns
- Storms
- Loss of biodiversity

LOSS OF SPECIES BIODIVERSITY

EVERY **20** MINUTES
THE WORLD ADDS
3,500 HUMAN LIVES
AND LOSES
1 OR MORE SPECIES

27,000 SPECIES LOST A YEAR

EVERY **60** MINUTES
240 ACRES OF NATURAL HABITAT ARE
DESTROYED

70% OF THE
KNOWN SPECIES
RISK EXTINCTION
IF THE GLOBAL
TEMPERATURE RISES
BY MORE THAN 3.5°C

**75% OF GENETIC
DIVERSITY IN
AGRICULTURAL CROPS
HAS BEEN LOST**



20% OF THE
WORLD'S
SPECIES
COULD BE
GONE IN
30 YEARS



80% OF THE
DECLINE IN
BIOLOGICAL
DIVERSITY
IS CAUSED BY
**HABITAT
DESTRUCTION**

1 OUT OF 4
AMPHIBIANS



BIRDS



CONIFERS



MAMMALS &



6 OUT OF 7
MARINE TURTLES



**ARE THREATENED BY
EXTINCTION**



**75% OF THE WORLD'S
FISHERIES ARE FULLY
OR OVER EXPLOITED**

Threat of extinction



1 out of 8 bird species
are threatened with extinction.



1 out of 4 mammal species
are threatened with extinction.



1 out of 4 conifer species
are threatened with extinction.



1 out of 3 amphibian species
are threatened with extinction.



6 out of 7 marine turtle species are threatened with extinction.



75% of agricultural
crop genetic diversity
has been lost.



75% of the world's
fisheries are being
fully or overexploited

BIODIVERSITY IS NECESSARY FOR HUMAN SURVIVAL
HUMANS HOLD THE POWER TO STOP THE LOSS

Sources: <http://www.extinctionrisk.org>, <http://www.globalwarming.org>

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Revisiting Complexity

- Each of these issues is, in and of itself, incredibly complex
- Each is related in strong and indivisible ways to others
 - Unemployment <-> Movement of People <-> Loss of Language/Culture <-> Pressure of the 'melting pot' <-> Unemployment
 - Climate Change <-> Desertification <-> Loss of traditional livelihoods <-> High unemployment rates <-> Economic Migrants <-> Movement of people <-> The pressure of the 'melting pot'