Climate Change, Demography, Environmental Degradation, and Armed Conflict

limate change is expected to alter the availability of freshwater, the productive capacity of soils, and patterns of human Ézez- z² æ ï äözäq¶ã ¶æ ² ¶ö ææzz:æ æ æ qä qä geographical distribution of these changes, nor gơ äözä ² ¶ö äo ¶ö äg æ æ Écæ æ z² õt ¶² - z² æ change may influence human societie4tua(soc)] Tip



While abrupt displacements may happen, we primarily expect to see climate change causing a gradual migration by people searching for more fertile land—or for other economic opportunities to replace lost livelihoods.

> been paid to climate change's potential influ; z² gzä¶² äÅQædá Ýæ¶%äöQáG gäÅzQzäGzÊ Ĥä⊨z²²zlúhi ½ 3 âã& ¶ - zÚŁ ¢¶² äV ä⁄ © anail⁄2 3 €ãi = Obe O'n ai 1/2/33 äär Oddznaii bb1/aia/ LOd gonaii bbi ai; i Loddav a í bb1/blá qozlúdago eð "zváð ang- Åzlóðie Lázo qaðlá; ∕ï Ýj ơn þþ' à fi 1 na þþá à ï o o a aza o a za þþ€a cipitation are likely to intensify the degradation /ïÚzðVä, Olájez-¶Úznái þþ€ää+O2°¢ oäzaáoD£ái þþ€ää >O2oeO raií þb€Haa@oza@azÚDæÚza¶² ag@- Ozea change and security focuses on two interrelated processes expected to result in resource scarcity. First, increasing temperatures, precipitation anomalies, and extreme weather are expected to aggravate the ongoing degradation of environ; - z² 2000 Zݶï ÚZZÁC = z² 2 ZÚAZ 2°3 â ä 8 ¶ - ZÚZ C¶° ä Vä⁄@aanaäl⁄§³€ää-@01źmaĭþþ½ää;ïÚótÓáVä⁄ïÝjønä í þþ' ää⁄ ï o €ið "äzæið O Éiai þþ€ÌHÉia

> Second, scholars warn that rising sea levels, as well as more extreme weather conditions, will force millions of people to migrate, potentially leading to higher pressures on resources in the destination areas and subsequently fostering com; Åzæt¶²ä¶őzlálízݶï LýzÝáÇ=z²²zlúail⁄å³âäa=Oce O*nai ½33 à d 0€ zaeni þþ∮à 3÷% ni þþá i = z² 0 qäza i OBai þþáai Ob¢ozaiOBai þþ€Ha @o¶i "oæg¢ Ozea change is usually viewed as a potential future threat, some argue that global climate change has already been a contributing factor in cur; Ú² aæ¶² Oszevání goæOáæozaL ObbláglÓvÁaQ ozlÚaV a ute to migration from coastal and riverine settle;

> relationship between climate change and armed ; ï Ướ XÁC qã, ¶ Yốiệ Cà⁄ ï Ý cáCí þþ' HáCgọz Åaice©ai to happen gradually. Improved forecasting skills

the depletion and altered distribution of natural resources likely to result from climate change could, under certain circumstances, increase the risk of some forms of violent conflict. It is not © z@at[a] zaOi- O][la][la](a) %go2 a;0 Ya][%a][2; flict, but may form a mounting environmental challenge that could play a contributing role Q LOD gorai bhí aires üzláv afi Olót Yai bhí Ha

Climate change is likely to influence the capacity of many areas to produce food. Some areas may experience a reduction in crop yields, but others are likely to benefit. While an increase in temperature of a few degrees could generally increase crop yields in temperate areas, greater warming may reduce agricultural output. In tropical areas, where dryland agriculture domi; nates, even minimal increases in temperature may be detrimental to food production (IPCC, of soil and water resources, although adaptive behavior could mitigate these impacts, since land use and management have been shown to have a greater impact on soil conditions than the indi; rect effect of climate change.

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Due to rising sea levels and increased risk of flooding, climate change is expected to contrib; – z²aÁáC; fifinaĭþþ½Ádi÷aÁd– zäözGeezlábzőz²aÁd ©co¶ï"oæcezeäöOfé äOOf Ya∰ōzÚíxeoe "äeceä and flooding may cause substantial, sudden, and acute displacement of people. However, the most g¶² Œganai,¶² a⁄ Ob⁄ zananaïÇî þþ½ khai Obán z©na Óbán ¢ z©na qÚÐ Qananana þánað "zf ÝzQ eð z©ú Ázf Án z©a

will make adaptation easier and reduce the prob; lem of population displacements (Chimeli et al., í þþí ÞÉH 🕬 Ú Å Är Á Ý Z- z² Á Ó Ö Ó Å Ž rä we primarily expect to see climate change caus; ing a gradual migration by people searching for more fertile land—or for other economic oppor; tunities to replace lost livelihoods.

that resource scarcit **BO 6869898**xs **70 JE**MC 1/479**0810 6E**t21 1/379**800 6E**t21 1/379s 1 1/39s 1 1/

the effects of demographic and environmental factors are stronger in poor countries than in wealthy ones, and stronger in periods of regime collapse and political transition.

For this sub-national study, we created a geospatial dataset by dividing the globe into 100 km by 100 km squares. Using the PRIO/Uppsala dataset, we identified the location of armed conflicts from 1990-2004 (Buhaug & Gates, 2002; Gleditsch et al., 2002), coding all grids within a 300-km radius as part of the conflict zone (see Figure 1). We used geographical data on human-induced soil degradation from the International Soil Reference and Information

Our models are more explanatory than many g[- $\mathring{A}OO$] @ä

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