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RESEARCH ARTICLE

The “Reverse Magnet Effect” of Alpha Emitters and the Health Costs of Depleted Uranium in the Balkans: The Root of the Debt Crisis in Greece, Italy, Portugal, Spain and Ireland

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ABSTRACT

Very large scale health effects of the depleted uranium (DU) spreading from the Balkans can be observed through analysis of WHO DALYs data and explain the budgetary deficits at the roots of the 2010s’ debt crisis in Southern Europe (the “PIGS”, Portugal, Italy, Greece and Spain) and Ireland. The countries around the Balkans suffered from DU exposure through patterns of “positive push”, the brain being constrained in its decisions by pre-existing internal contamination with alpha emitters and their positive charge repelled by the new alpha emitters of the DU strikes in the Balkans (“reverse magnet effect” from +/+ repelling). The subjects are constrained to move in certain patterns by the positive resistance coming from the area of the Balkans, clogs emerge in their bodies leading for instance to cardiomyopathies, kidney and urinary diseases, mesothelioma and other neoplasms, along with immune deficiencies and mutations causing rises in infectious diseases, and alcoholism. The slow rise in alpha activity of depleted uranium, with its decay chain pattern leading to more and more alpha-emitting atoms over time (because daughter atoms are shorter-lived) causes a “timebomb” pattern (as usual in veterans of wars with DU) with an increasing “push” effect and explains the later public debt crisis. Beyond the so-called “PIGS”, Austria suffered as well a lot from the DU fallout, with health costs and environmental damage altogether and this is shown analytically. More direct endocrine effects on the brain are also shown, with behavioural consequences. The case for more epidemiological effects if nothing is done is clear and comes together with strong societal issues resulting directly from the intertwining of the neurological impairments affecting decisionmaking and divergence in the answers that can be offered. NATO refunding of the ECB’s public bond-buying programs with depleted uranium to allow it to emit depleted uranium coins is suggested as final fixture to the root problems of the debt crisis.

Introduction

The case behind the debt of “PIGS” countries and healthcare costs finds a surprising explanation in the bombing of the Balkans with depleted uranium weapons in the 1990s, and the slowly rising, “timebomb”-like effect of the depleted uranium contamination related to the shorter and shorter half-lives over time of U238 decay products. Both Greece and Italy are neighbours of the Balkans countries where depleted uranium has been used massively from 1993 to early 2000. The “anti-squeezed”, “shuriken” nature of the U238 atoms ¹ means that the solar radiation exerts a pressure that kicks them in the direction opposite to the origin of the solar radiation, so in average northwards. Greece was not touched directly by the fallout but most of what remains on the soil of the Balkans creates a “positive push” on the numerous inhabitants of Greece having themselves an internal contamination with alpha emitters (from soil contamination, from the cigarettes smoked and their Po210, from coal ashes in the air, from radium in diesel... etc – presumably more than 99% of the population of any given country has some slight internal contamination at least, only young babies are essentially excludedⁱ). This means that Greek inhabitants were pushed mechanically, physically, to the South by the accumulation of alpha activity in the Balkans (see also a symmetrically opposite case with coffee drinking in an article of the author ²). They were, on a ratio depending on their internal contamination pushed more toward the sun and its radiation. The case of the “abuses in Greece” started with an island where “all the inhabitants were reporting blindness” and this is extremely consistent with this syndrome. Forced overexposure, not abuse of social welfare explains this phenomenon. In 2015 the increases in cancer costs brought the Greek government to plan a charge of 50% of cancer costs for patients “if preventive measures had not been taken”.

Statistical analysis for Greece

A comparison between 2000 and 2015 in WHO DALYs for Greece indicates for instance a rise by 2000% in “other neoplasms”, and 2225% between 2000 and 2019. These “other neoplasms” indicate new cancer syndromes related to the unusual pattern of exposure, previously unknown, related to the positive pressure from the depleted uranium and sun effects hitting these displaced. An increase of 206% in Parkinson’s disease between 2000 and 2015, and 425,8% between 2000 and 2019, also indicates the effect of solar neutrons, especially, on the muscles and neurological system of patients overexposed from the same effect. Some heart

diseases increase very vividly as well from the same effect of solar neutrons, as the heart faces the area of the body most exposed to the sun in this pressure effect directing individuals to the South. Rheumatic heart disease increases by 142,9% between 2000 and 2015, with a slight decrease later (128,6% between 2000 and 2019). Likewise for hypertensive heart disease (116,8% and 100%). The chronic nature of these diseases relates them intrinsically to that chronic problem of the positive push from depleted uranium in the Balkans. Cardiomyopathy, myocarditis and endocarditis are extremely related to the destruction of cardiac muscular tissue by solar neutrons and the pattern is even more acute (551,5% and 490,9%). Gallbladder and genitourinary diseases also increase in a pattern related to higher waiting times for toilet access associated to that positive pressure (supplementary energy costs of walking to the toilet, usually not in the southernmost point of inhabitations and public spaces) altogether with direct exposure to solar neutrons of these organs (94% and 110% - whereas some preventive measures were clearly taken for earlier chronic diseases surveyed, here there is a latency linked to the taboo nature of the effect). Chronic kidney disease increases by 75,6% and 84,4%, and other urinary diseases by 382,6% and 443,5% for the same reasons and with homogeneous tendencies. To be added an interesting 200% in natural disaster DALYs between 2000 and 2015, that falls back to -100% between 2000 and 2019ⁱⁱ indicating as well an eventual improvement in the quality of basic public services in the country.

A comparison with Austria – where direct contamination with depleted uranium matters

The case of Italy also allows to predict identical effects on healthcare costs but the effects cannot be parsed within WHO data depending on the positive push effect vs. inhalation of depleted uranium dust, as they are spread on a single country. Indeed the spread of depleted uranium dust from the bombings, obvious for the northern plains (for, also, the unused electricity from the industrial activity creates an attraction for alpha emitting dust there) has contradictory effects, with the added cloud cover later attracted by alpha emitters (negative charge in clouds attracted by the alpha activity). The comparison is made with Austria and allows to see the effects of depleted uranium contamination, with a 130% increase between 2000 and 2015 in non-melanoma skin cancer (in a pattern identical to what has been demonstrated with radon in Switzerland by Vienneau et al ³) going down to 110% between 2000 and 2019,

100% in sickle cell disorder and trait with identical results between 2000 and 2019, 125% in other haemoglobinopathies and haemolytic anaemias with 150% between 2000 and 2019, 119,3% in Alzheimer disease increasing to 200% between 2000 and 2019, 87,3% in Parkinson’s disease increasing to 128,1% between 2000 and 2019 (on these see ⁴ for comparison), 83,3% in multiple sclerosis between 2000 and 2019 (see another paper of the author ⁵ which is as well of interest for the “other drug use disorder” increase of 169,7% in Austria between 2000 and 2015 going down to 142,4% between 2000 and 2019), 95,5% in other neurological conditions staying identical between 2000 and 2019, 112,7% in hypertensive heart disease reduced to 79,3% between 2000 and 2019, 367,3% in cardiomyopathy, myocarditis and endocarditis increasing to 382,7% between 2000 and 2019, 169,2% in chronic kidney disease reduced to 109,6% between 2000 and 2019, and some significant levels of congenital anomalies, with 116,7% in neural tube defects increasing to 183,3% between 2000 and 2019, an increase of 100% in cleft lip and cleft palate defects between 2000 and 2019, and 68,1% in Down Syndrome going to 90% between 2000 and 2019. All these results are intrinsically linked to a strong internal contamination with depleted uranium fallout in Austria and its progressively rising effects with a

limited co-participation of the positive pressure effect, from that fallout (after it has deposited), increasing some chronic blood, kidney and cardiovascular diseases as well significantly, altogether with the direct tissue damage from depleted uranium contamination, in a chronic pattern also relatable with the latency of the depleted uranium dust on the trees. This confirms the hypothesis of direct depleted uranium exposure of the Austrian population that had been predicted earlier by the author based on environmental loss (observation of several pictures of the Austrian environment on social media, the author’s initial deficit of interest in the natural environment of Austria because of its relative poorness, had shown there was a depleted uranium contamination damaging the forests (the shuriken effect creating in particular a loss of luminosity from the photon break effect, causing a pattern with very dark forests, obscurity inbetween the trees, in addition to a general lack of vegetal diversity)).

Direct observation in Austria in areas west of Innsbrück and near Graz have allowed to confirm the pollution on forested mountain slopes, with a pattern of slow descent of the dust onto the slopes in north-facing mountains sparsely destroying areas of underwoods, and larger areas of tree death in south-facing mountainsⁱⁱⁱ.



Fig. 1: Slope contamination with strong losses of vegetation cover on the slopes from depleted uranium abrasion. Such channels of vegetation death occur every kilometer or circa at various levels of intensity.



Fig. 2: Opposite side, destruction of trees by the DU fallout pushed by sunrays.



Fig. 3: Abrasion by the shuriken effect through lateral entry of depleted uranium is clearly visible^{iv}

Italy in an intermediary situation

Italy presents indeed an intermediary pattern with a very intermediary cancer in the body, mesothelioma, having literally exploded between 2000 and 2019, by 6120%. Neurological

diseases also follow an intermediary pattern with Alzheimer up by 102,6% and Parkinson's up by 100,2% between 2000 and 2019.

Infectious diseases were not reported because of the plurality of factors but exposure both to sunrays

and solar neutrons, as well as to alpha emitting nanoparticulates has a mutagenic effect and is related to the weakening of the immune system in ways definitively related to the later “success” of infectious diseases in taking out lives. This was shown for instance with the case of mutations by the author ⁶ again after a long bibliography on the mutageny of depleted uranium ^{7 8 9 10} and endocrine disruption, see summary by the author ¹¹ and Zaire et al ¹² for an earlier reference. Infectious and parasitic diseases were rising in Greece by 164,1% between 2000 and 2015, by 280% from 2000 to 2019. In Austria the same data rises by 38,3% between 2000 and 2015 and by 46,8% between 2000 and 2019, and in Italy an increase of 46,7% is observed between 2000 and 2019. The data on hepatitis shows a 143,5% increase in Greece between 2000 and 2015, going to 234,8% between 2000 and 2019 – in Austria the numbers are 375% and 200%, and in Italy between 2000 and 2019 63,8%. Other infectious diseases in Greece were rising by 587,7% between 2000 and 2015, up to a staggering 963% between 2000 and 2019, whereas in Austria the rise was by 52,1% between 2000 and 2015, and 116,7% between 2000 and 2019, and in Italy 219,1% between 2000 and 2019. Italy is again in an intermediary pattern between Greece and Austria, with naturally a shift related to the relative poverty of the Southern part of the country where the higher temperatures are also a natural facilitator for tropical diseases, as for Greece, in addition to the mutagenic factor from solar radiation in general hitting bacteria, fungi, viruses and parasites in the body, fostering their mutation and proliferation through the bystander effect ^{13 14}, especially in the superficial layers – as is possible with alpha decay from superficial contact with alpha emitters ^{15 16}. The Quirra case in the late 1980s and early 1990s (military camp in Sardinia where many depleted uranium weapons were tried) already contributed to the pattern, with the contamination in situ explaining also a scattering of the DU fallout from the Balkans North and South of the relative position of the Quirra camp (in addition to patterns relative to the solar push and to the availability of electrons), leading to a mesothelioma outbreak that started to be recorded in 1993 ¹⁷ in a study in which the observed peak in Trieste, for instance, without any asbestos-manipulating industry, can solely be blamed onto Balkans War depleted uranium fallout pushed north (the authors blame wood furniture manufactures), likewise for the Cavagnolo peak, for a large proportion of the Syracuse peak (in a city with limited asbestos works and a sharp peaking, very exposed to Balkans fallout pushed south by the

Quirra aggregate), and for some of the rise in La Spezia and Genoa as well (with, in addition, NORMs from Corsica being progressively pushed north by the Quirra area depleted uranium).

Indirect but existing effects in Portugal and Ireland

These effects are related to the positive push effect. In Portugal increased sun exposure in the West is an effect. In Ireland, the North-Western part of the country is where radioactivity is higher and this creates a compression effect, that is part of the explanation of why pubs in Dublin are so crowded usually. The WHO DALYs for 2000 to 2019 in Portugal show an increase in other neonatal conditions by 106%, an increase in Alzheimer’s disease and other dementia by 193%, in Parkinson’s by 143%, an increase in cardiomyopathy, myocarditis, endocarditis by 219%, of other urinary diseases by 294%, in a pattern very similar to Greece, except for the high natural radioactivity area of the Northern territories of Portugal in which the positive pressure effects pushed individuals into more exposure to the natural radioactivity that is more prevalent in the North-West than around Bragança and Vila Real. This resonates with the prediction ¹⁸ of a fastest rate of increase of breast cancer in the North of Portugal, especially older women, with less mobility. In Ireland an increase of 167% between 2000 and 2019 is found for acute hepatitis C, directly related to the subsequently predicted effect of compression within pubs, likewise 127% for diabetes mellitus, also related to alcoholism, and an increase of 242% for Alzheimer’s and related dementia, with the effect of compression into the granites of the West of Ireland particularly in cause. These effects all contributed significantly to worsening the situation of the public debt in these countries.

Spain

Spain combines distance with the epicenter and a large territory allowing spreading out and hence “social decompression”, the positive push effects nevertheless express on women with a very significant rise of breast cancer, in particular, explained by the same patterns shown in Greece together with the reverse magnet effect on preexisting internal contamination, as women are forced to go West and cannot stay as long in toilets facing it so they cannot excrete as much and breasts are frequently exposed to solar neutrons. Pollán et al ¹⁹ indicated in 2010 a continuing trend of increase among younger women. WHO data indicated that in 2020 breast cancer amounted to 2,14 % of total deaths, with 20 to 25 % of all

tumours²⁰. 2011 projections also tabled on rises in kidney cancer rates in Spain²¹ consistent with the mild exposure. An increasing incidence of myeloproliferative neoplasms and myelodysplastic syndroms is also found by Solans et al²² for the period 2002 to 2013, in a way extremely consistent with muscle exposure to solar neutrons under « reverse magnet effect ». This mild exposure is also related with the mild intensity of the debt crisis in that country.

Discussion

Slovenia was also surveyed quickly by the author. The observations allowed to confirm the initial hypothesis of DU dust flyover, with damage on some treetops, mixed with earlier phases of damage from pollution related to WW2 and to the Yugoslavian regime. The Slovenian Alps behaved as an initial receptacle, with contamination more obvious in the north of the Kokra Valley, before crawling on the slopes of the Austrian Alps. This corresponds with usual findings of “flyover” of actinide fallout above developing countries where electricity is not overproduced. The “orange water” effect in Slovakia’s Slana River²³ is also obviously explained by the positive push expelling from the underground of nearby iron mines alpha emitters meshed in sediments, causing massive wildlife death. The orange colour is partly related to the shuriken diffraction of photons changing light wavelengths around alpha emitters¹.

Whereas the patterns are clearly differentiated along the lines of the nature of the contamination with depleted uranium, some constataions and recommendations have to be formulated. The situation is politically very explosive, because whereas the public debt of Greece and Italy needs a brutal dismantling well beyond “haircuts” to account for the effects of depleted uranium, the depleted uranium fallout in Austria, one of the countries on the side of the “golden rule” during the crisis shall create a longer term health damage also fostering more support for the “golden rule” among its population (in addition to the neurological damage reducing the average capability of the “brains” to process complex information such as the positive push effect). Haircuts are needed for Portugal and Ireland.

The relation with NORMs of the positive push effect can foster even more debate. The consumption of meat increases the persistence of NORMs within the body through their encroachment within added protein pieces (as well as of depleted uranium dust for that matter). One approach might be to shut down the debate considering the positive push effect in particular as a form of justice for the

animals, and to solely compensate Hungary and Austria as well as Romania for the environmental damage, in a way that would nevertheless brutally resonate with Nazi environmentalism and belief in natural selection. The massive humiliation of Greece during the crisis nevertheless needs to be compensated – likewise to a lesser degree for Italy, a country that also suffered significant depleted uranium damage within military ranks during the Balkans conflicts, and to an even lesser degree for Portugal and Ireland. In addition to that, the “nazi” approach fails to understand the merely *mechanical* nature of the positive push effect, that constrains human behaviour in a magnetic way in the same way nails are attracted by a magnet (as expressed by the tremendous rises in Greece). The consumption of meat also is “encouraged” somehow by the earlier association of vegetarianism with Hitler, making it partly a political act in several countries. This is not to mention how under internal alpha decay the desire to eat meat to rapidly feed the body with substitution proteins is truly a mechanical pattern as well. Hence this approach cannot be retained. A full fledged dismantling of the public debt is the sole solution and the European Central Bank may be doomed to sue NATO to receive compensation. For Greece, even military spending may be taken out of the public debt, as brain traumatism from solar neutrons hitting the hypothalamus and triggering through the bystander effect proliferation of testosterone-producing cells can be argued to be a key factor in the decision to buy weapons (provided that the related weapons be given back in exchange). After a thaw, relations between Turkey and Greece went through a strain in 1995-1996, negotiations allowed another period of cooldown until the mid-2000s and then tensions started again to escalate in 2006, and then more significantly from 2019²⁴. This line of evolution follows the progressive acceleration of alpha decay of depleted uranium and is explained by it.

Conclusion

The debt crisis also signifies the economic value of depleted uranium lost by spreading it around in the environment instead of using it for instance as potential plutonium in nuclear cores. It strikes directly in the countries most exposed to the depleted uranium fallout, and the rise with time signifies that the worst may be yet to come if significant cleaning measures are not taken. The political conundrum that is also related to the follow-up of depleted uranium contamination is not yet tackled. There are many issues on the eve of emerging, neurological, metabolic with more tumours and non-transmissible diseases,

epidemiological with the immune deficiencies accelerating the effects of transmissible diseases, and possibly civil war between those supporting natural selection and plutogenization of the victims having not self-decontaminated in crematory reactors, out of the environmental argument and preference for sexual blossoming (ejaculation being a critical way of eliminating alpha emitters, which are acutely related to sexuality ⁵) along with the “fast retrieval of the DU” theorem, and those opposing it over humane preference. The issue was already discussed, showing how the efficiency of crematory reactors is more of a myth with heavy economic side effects ²⁵ but remains worrying even though the actual discovery of epidemiological risks from the mutations of viruses and bacteria in nuclear cores with human flesh (related to Bose-Einstein and Fermionic condensation ²⁶ of proteins and DNA material, with even the possible emergence of new viruses and bacteria) may definitively discourage this. Necrotizing fasciitis for instance can emerge from cremated human flesh and transfers to surrounding biological material the main properties of the cremated flesh. The heavy economic costs may be fixed by heavy debt haircuts and compensation of the “PIGS” with depleted uranium so that energy production fixes the health costs. The environmental issue, tree damage and other

agricultural costs, remains a separate problem that, along with magnet cleaning for instance, CO₂ emissions can fix by fostering vegetal growth through photosynthesis. Two years after the end of depleted uranium use in military camps in France, regrowth in damaged trees is observed more vividly near roads where the CO₂ allows to fix the damage (in a context where the rate of NORMs in fuels has fallen down sharply). This might be a consequence of the obviation of the diffraction effect of sun photons ¹ after capture of depleted uranium dust.

NATO compensation of the European Central Bank should ideally happen through donations of depleted uranium, which would allow the emission of a new currency, in depleted uranium, that would be used by buyers as fuel in new motor vehicles, public transport and individual vehicles, relying on the breeding of that depleted uranium. The properties of depleted uranium allow to use it as metallic currency provided that it be inserted in small hermetic plastic boxes that would also be introduced in the paying boxes as neutron moderator for later energy use. Pay-per-weight being facilitated in public transport with this system, this may also contribute strongly to fixing another public health emergency, obesity.

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i Even though this percentage is certainly in a progressive decrease thanks to recent innovations in decontamination since early 2020 ; the estimate is made for the earlier period.

ii The only decreasing result of this entire article, obviously related to the absence of depleted uranium fallout on Greece allowing easy fix of the damages.

iii The author's insitu investigation was made a few months after initial mailing of the Austrian foreign ministry on the topic and it was clear that in some areas initial measures separating contaminated wood, altogether with helicopter-borne magnet cleaning (around Innsbrück) had already been taken in the meantime.

iv Treetops in certain areas of Slovenia have also suffered, even though the diagnosis has to be consistently separated from effects of military-nuclear activities during the Tito era and from their smaller antecessor of the Ustaci period. Rapid observations around southern Germany showed also depleted uranium contaminations around Chiemsee.