

## OPEN LETTER

30 April 2019

**Re: EU-U.S. Energy Council High-Level B2B Forum on LNG, 2nd May 2019, Brussels**

Dear Commissioner Cañete and Secretary Perry,

The undersigned organizations submit this letter in opposition to the growing liquified natural gas (LNG) import/export relationship between the United States and the European Union. According to the EU-U.S. joint statement from March 8, 2019, EU imports of LNG from the U.S. have increased by 181% since July 2018.<sup>i</sup> The continued use and import/export of fracked LNG torpedoes critical climate targets and violates basic human rights. In 2012, the UN Environment Programme (UNEP) issued a “Global Alert” on fracking, concluding that fracking may have environmental impacts even if done properly.<sup>ii</sup> People in the EU do not want inherently harmful LNG being shipped into their communities, nor do people in the U.S. want to suffer the negative impacts of LNG infrastructure buildout that accompanies this massive push in increased exports.

Rather than working towards increased development of LNG on both sides of the Atlantic during your first EU-US Energy Council High-Level Forum taking place in Brussels on May 2, 2019, you should be focused on ways to eliminate our continuing reliance on fossil fuels, including LNG, as quickly as possible. To do otherwise ignores the existing crucial scientific evidence that proves the significant negative climate role of gas, in particular fracked gas, and the dire economic consequences related to ongoing fossil fuel consumption.

### **1. Negative climate impacts of fossil gas**

Gas is just another fossil fuel that we need to phase out within the next 10 to 30 years if we want to avoid overshooting significant climate tipping-points. The scientific evidence shows that methane emissions from gas extraction in general and from shale gas in particular are a significant driver of global warming and climate change.<sup>iii</sup>

In a recent talk titled, “The Role of Shale Gas Development in the Methane Cycle: New Insights from 13C and 14C Data,” Dr. Robert Howarth, a researcher from Cornell University, concluded that the global increase in methane over the last 10 years is largely driven by the oil and gas industry. His updated estimate for average, full-cycle methane leakage rate from natural gas operations (fracked and non-fracked) is 4.1%.<sup>iv</sup> These kinds of leakage rates render natural gas just as, if not more, climate harmful than coal. Trade in LNG will increase global emissions and its overall full lifecycle greenhouse gas balance is comparable to or even worse than that of coal.<sup>v</sup>

But even if we leave the existing significant methane emissions aside, we know that global - economically recoverable - fossil fuels extraction projects (currently producing and under-construction), would take the world far beyond safe climate limits. Further development and trade of gas reserves is inconsistent with the implementation of the vital climate targets.<sup>vi</sup>

### **2. Environmental and public health implications of fracking**

More than a decade of large-scale use of fracking (mainly in the U.S. and Canada) to extract natural gas from the ground has underscored how harmful and destructive this extraction process can be, as confirmed and acknowledged by countless peer-reviewed scientific studies. There are numerous proven risks and impacts related to the development of fracking projects, such as heavy freshwater

consumption, water and soil contamination, public health impacts and the significant contribution to global warming.<sup>vii</sup>

In 2012, the UN Environment Programme (UNEP) issued a “Global Alert” on fracking, concluding that fracking may have environmental impacts no matter how it is conducted.<sup>viii</sup> Building out more infrastructure to support increasing import/export activity will further exacerbate the climate, environmental and public health impacts of fracked gas.

### **3. Fossil lock-in and stranded assets**

New gas infrastructure has a significant economic lifespan (usually between 30 and 50 years) that goes beyond the point when we’d need to fully decarbonize. The construction of any new fossil fuel infrastructure, therefore, contributes to increasing the risk of missing the EU 2050 climate objective and Paris Agreement targets by creating a “lock in” effect to high levels of gas consumption.

Ongoing use of fossil fuels like gas beyond necessary climate goals will have devastating economic impacts on both side of the Atlantic. For example, the 2018 COACCH (Co-Designing the Assessment of Climate Change Costs) study outlines the hundreds of billions of Euros per year that represent the economic costs of climate change in Europe in different scenarios for different sectors. Their review indicates that the costs of inaction will be potentially large in Europe.<sup>ix</sup>

Economic impacts will also arise because of stranded fossil fuel assets. A 2018 study, commissioned by the EU COM, on “The role of Trans-European gas infrastructure in the light of the 2050 decarbonisation targets”<sup>x</sup> concludes that *“the utilisation level of LNG terminals and import pipelines would significantly decrease, and some assets might need to be decommissioned or used for other purposes”*.

There is substantial risk to the economies of the United States and other fossil fuel exporting nations from continued investment in fossil fuel infrastructure. A study published in Nature Climate Change found that between one and four trillion dollars in fossil fuel assets globally are at risk from *“an already ongoing technological trajectory, irrespective of whether or not new climate policies are adopted”*.<sup>xi</sup>

All the public financial support LNG projects receive are at the expense of sustainable and zero-carbon solutions, with dire consequences for our climate and our economies – and lenders are starting to take notice. The BNP Paribas Groups, a leading financial services provider in Europe and worldwide, announced on 11 October 2017 that the group *“will no longer do business with companies whose principal business activity is the exploration, production, distribution, marketing or trading of oil and gas from shale and/or oil from tar sands.”* Furthermore, it *“will no longer finance ... LNG terminals that predominantly liquefy and export gas from shale.”*<sup>xii</sup>

### **4. Fracking supports polluting plastics industry**

The plastics industry has reaped under-the-radar benefits from the environmentally destructive fracking boom and an oversupply of cheap ethane in the past few years. This surge has been a boon for the plastics industry, which relies on petrochemical manufacturing to turn ethane, a hydrocarbon present in natural gas, into plastics. Beginning in 2012, chemical companies started aggressively investing in petrochemical plants and export facilities focused on tapping the ethane glut, creating further negative implications for human and environmental rights – right at a moment when we try to solve the big global plastic health and climate crisis.<sup>xiii</sup>

### **5. Fracking impacts human rights**

In May 2018, the Permanent Peoples Tribunal (PPT) on Human Rights, Fracking and Climate Change heard testimony and received other evidence relating to fracking and its impact. Included were very substantial reports from four prior PPT Citizens' Tribunals that had gathered scientific, technical, social, cultural and experiential testimony from many community organizations, experts and individual citizens.

According to the preliminary statement of the PPT judges „*the evidence clearly demonstrates that the processes of fracking contribute substantially to anthropogenic harm, including climate change and global warming, and involve massive violations of a range of substantive and procedural human rights and the rights of nature.... The evidence also shows that governments have, in general, failed in their responsibility to regulate the industry so as to protect people, communities and nature. In addition, they have failed to act promptly and effectively to the dangers of climate change that fracking represents.*”<sup>xiv</sup> In the final Advisory Opinion, the PPT recommended – amongst other relevant points – that “*fracking be banned*” and that “*the Special Rapporteur on Human Rights and the Environment be asked to investigate the violations of the rights of humans and nature by the Unconventional Oil and Gas Extraction industry.*”<sup>xv</sup>

This finding is echoed elsewhere: In October 2018, the UN's CESCR issued an official warning concerning fracking for shale gas in Argentina, saying that „*The Committee is concerned that this hydraulic fracturing project contradicts the State party's commitments to the Paris Agreement, with a negative impact on global warming and the enjoyment of the economic and social rights of the world population and future generations. (Article 1 (1) and 2 ((1))*”<sup>xvi</sup> In March 2019 the United Nations Committee on the Elimination of Discrimination Against Women (CEDAW) urged the British Government to “*consider introducing a comprehensive and complete ban on fracking.*”<sup>xvii</sup>

We call on the EU and U.S. administrations to exercise their extremely important global responsibility and immediately stop the transatlantic trade in fracked hydrocarbons. Instead, we urge you to focus all efforts on working together towards the needed transition to 100% renewable energy and production systems and increased energy efficiency. This transition is not only achievable – it is underway. Increasing the trade in fracked hydrocarbons represents a huge step backwards in the needed shift to renewables and our joint efforts to save the planet from catastrophic climate change.

Sincerely,

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2. Scott Edwards, Legal Director, Food & Water Watch
3. Antoine Simon, Fossil Free Campaigner, Friends of the Earth Europe
4. Kate DeAngelis, Spokesperson, Friends of the Earth US
5. Delphine Lévi Alvarès, European Coordinator, Break Free From Plastic
6. Delphine Lévi Alvarès, Coordinator, Rethink Plastic Alliance
7. Joseph Corré, Founder, Talk Fracking
8. Jeremy Wates, Secretary General, EEB (European Environmental Bureau)
9. Magda Stockkiewicz, Deputy Director, Greenpeace
10. Steve Mason, Campaign Director, Frack Free United
11. Patrick McCully, Climate and Energy Program Director, Rainforest Action Network
12. Lorette Philippot, Private Finance Campaigner, Friends of the Earth France
13. Samuel Martin-Sosa, International Coordinator, Ecologistas en Acción
14. Colin Rees, Senior Campaigner, Oil Change International
15. Eilidh Robb, Communications Coordinator, UK Youth Climate Coalition
16. Sebastian Schönnauer, Treasurer, Deutscher Naturschutzring e.V. (DNR)
17. Constantin Zerger, Head of Energy and Climate Protection, Deutsche Umwelthilfe e.V.

18. Xavier Sol, Director, Counter Balance
19. Brook Lenker, Executive Director, FracTracker Alliance
20. Heather Cantino, Steering Committee Chair, Athens County's Future Action Network, aka Athens County (OH) Fracking Action Network
21. Garret Patrick Kelly, Principal, SEE Change Network
22. Alexandra Caterbow, Co-Director, Health and Environment Justice Support International
23. Ann Rennacker, Secretary, Ocean Protection Coalition
24. Shefali Sharma, Director, Institute for Agriculture and Trade Policy Europe e.V.
25. Suzie McCoy, Spokesperson, FUUSB (First Unitarian Universal Society of Burlington)
26. Peter Kodde, Climate & Energy Organizer, Milieudefensie
27. Eddie Mitchell, Spokesperson, Love Leitrim
28. Johnny McElligott, Spokesperson, Safety Before LNG
29. Pascoe Sabido, Spokesperson, Corporate Europe Observatory
30. Julian Brave NoiseCat, Acting Policy Director, 350
31. Jim Emberger, Spokesperson, New Brunswick Anti-Shale Gas Alliance
32. Barbara Warren, Director, Physicians for Social Responsibility, AZ Chapter
33. Lise Masson, Spokesperson, BankTrack
34. Ángel López, President, Asociación de Cultura Popular Alborada Gallur
35. Anne Marie Harrington, Spokesperson, Futureproof Clare
36. Hilde Lindner-Hausner, Spokesperson, Abgefrackt Bündnis Weidener Becken gegen Fracking
37. Karen Feridun, Founder, Berks Gas Truth
38. Karen Feridun, Co-Founder, Better Path Coalition
39. Monica Di Sisto, Spokesperson, Stop TTIP/CETA Italia Campaign
40. Alberto Zoratti, President, Fairwatch Italy
41. Jose Luis Gutierrez Aranda, Policy Officer, AEFJN
42. Rosa Correia Guedes, Spokesperson, Glocal Faro
43. Juan Carlos Gracia, Board Member, Plataforma Ciudadana Zaragoza sin Fractura
44. Jane Patton, Director, No Waste Louisiana
45. Robert Spottswood, M.A. LCMHC, Board Member, Vermont Mental Health Counselors Association
46. Jennifer Krill, Executive Director, Earthworks
47. Roxanne Groff, Chair, Buckeye Environmental Network
48. Mary Martin, Spokesperson, Keep Cornwall Safe
49. Mary Gutierrez, Spokesperson, Earth Ethics, Inc.
50. James Leon Meyer, Coordinator, Fridays For Future Dithmarschen
51. Ángel Encinas, President, Ecologistas en Acción de Zamora
52. Mary Pendergast, Ecology Director, Sisters of Mercy
53. Tawn Feeney, Spokesperson, Little Lakes Sustainability Network
54. Sabria Barka, Director, Eco-Conscience
55. Madeline Monaco, Spokesperson, Save Asbury's Waterfront
56. Nikolaj Kornbech, Researcher and Campaigner, NOAH Friends of the Earth Denmark
57. Norbert Pralow, Spokesperson, BUND LV Schleswig-Holstein (Friends of the Earth Schleswig-Holstein)
58. Debra Stoleroff, Spokesperson, Vermont Yankee Decommissioning Alliance
59. Franziska Buch, Energy Policy Campaigner, Umweltinstitut München e.V. (Munich Environmental Institute)
60. Vivian Stockman, Spokesperson, OVEC-Ohio Valley Environmental Coalition
61. Naomi Kreitman, Spokesperson, Gastivists
62. Estelle Tardy, Spokesperson, Collectif Causse Méjean - Gaz de Schiste NON !
63. Estelle Tardy, Spokesperson, Collectif Florac Stop Gaz de Schiste (48)
64. Javier Casado, Spokesperson, Podemos Sanitat Catalunya
65. Harald Rücker, Spokesperson, Bi lebenswertes Korbach

66. Stephan Klose, Spokesperson, BI Gesundheit und Klimaschutz Unterelbe
67. Charlie Williams, Spokesperson, Keep Ireland Frack Free
68. Claude Girod, Spokesperson, Confédération Paysanne France (ECVC)
69. Bas Oudenaarden, Organizer, Rotterdams Klimaat Initiatief
70. Dr. Reinhard Knof, Spokesperson, Kein CO2 Endlager e.V.
71. Helena Peltonen-Gassmann, Board Member, Mehr Demokratie e.V. LV Hamburg
72. Luis Medel, Spokesperson, Plataformanocetatgnareus
73. Sigrun Franzen, Spokesperson, Berliner Wassertisch
74. Jan Juffermans, Chair, Dutch Footprint Group
75. Barry Cartwright, Spokesperson, Woodsetts Against Fracking
76. Yvonne Sibbald, Spokesperson, Frack Free Wakefield
77. Jean Hesketh, Co-Ordinator, Frack Free Dudleston
78. Christine Varenne, Spokesperson, Collectif Arcois pour la Planète
79. Bill Lyons, Spokesperson, Columbus Community Bill of Rights
80. Živa Kavka Gobbo, Chair, Focus Association for Sustainable Development
81. Paco Segura, Luis Rico, Lola Yllescas, Coordinators, Ecologistas en Acción
82. Maria Luisa Hernández, Coordinator, Attac Spain
83. Geoffrey Gardner, Spokesperson, Upper Valley Affinity Group Vermont
84. Ann Pinca, Spokesperson, Lebanon Pipeline Awareness
85. Paul Reynard, Spokesperson, Touche pas à mon schist
86. Marija Mileta, Spokesperson, Zelena akcija/FoE Croatia
87. David Larder, Spokesperson, Bassetlaw Against Fracking
88. Mila Bote, Spokesperson, Free the Soil
89. John Higgins, Spokesperson, Fracking Free Clare
90. Ana Carla Cabrita da Conceição, Spokesperson, Walkin' Sangres
91. Paulette Hammond, President, Maryland Conservation Council
92. Werner Diedrichs, Spokesperson, Bürgerinitiative Fracking Freies Hamburg
93. Irene Weiser, Coordinator, Fossil Free Tompkins
94. Virginia Rasmussen, Spokesperson, Frackbusters NY
95. Ingo Junge, Spokesperson, Berliner Netzwerk TTIP | CETA | TiSA stoppen!
96. Anne Aittomaki, Strategic Director, Plastic Change
97. Kathleen Byron, Committee Member, Our Forth
98. Rachael Martin, Spokesperson, Not Here Not Anywhere
99. Tracey Read, Spokesperson, Plastic Free Seas
100. Suzannah Glidden, Co-Founder, Stop the Algonquin Pipeline Expansion (SAPE)
101. Andrea Miller, Executive Director, People Demanding Action
102. Alan Minsky, Executive Director, Progressive Democrats of America
103. William Snape, Senior Counsel, Center for Biological Diversity
104. Ezra Silk, Director of Strategy & Policy, The Climate Mobilization
105. Christfried Lenz, Spokesperson, BI "Saubere Umwelt & Energie Altmark"
106. Robert K. Musil, Ph.D., M.P.H., President and CEO, Rachel Carson Council
107. Rachel Smolker, Co-Director, Biofuelwatch
108. Earl Hatley, Spokesperson, LEAD Agency Inc.
109. Jerry Rivers, Environmental Scientist, North American Climate, Conservation and Environment (NACCE)
110. Michael Stocker, Director, Ocean Conservation Research
111. Sonia Zilberman, Director South Caspian Energy and Environment, Crude Accountability
112. Doug Couchon, Co-Founder, People for a Healthy Environment
113. Rabbi Katy Allen, President, Jewish Climate Action Network – MA
114. Patricia Popple, Spokesperson, Project Outreach
115. Evan Weber, Political Director, Sunrise Movement
116. Lisa J. Riggiola, Executive Director, Citizens For A Clean Pompton Lakes

117. Rabbi Michael Feinberg, Executive Director, Greater New York Labor Religion Coalition
118. Patty Katz, VP and Green Committee Chair, Reach Out America
119. Micah Parkin, Executive Director, 350 Colorado
120. Mark Lichty, Executive Director, Resolution Media Fund
121. Paul Otruba, Director of Research, Envirooneers
122. Mark LeClaire, Organizer, We Are One River
123. Corey E. Olsen, Owner/Activist, CEO Pipe Organs/Golden Ponds Farm
124. Mazeda Uddin, Executive Director, South Asian Fund For Education, Scholarship and Training (SAFEST)
125. Sarah Stewart, President, Animals Are Sentient Beings, Inc.
126. Vera Scroggins, Director, Citizens for Clean Water
127. Janet MacGillivray, Spokesperson, Seeding Sovereignty
128. Sharon Furlong, Spokesperson, Bucks Environmental Action
129. Arianne Elinich, Founder, Bucks County Concerned Citizens Against the Pipelines
130. Tim Spiese, Board President, Lancaster Against Pipelines
131. Elaine Cimino, Director, Common Ground Rising
132. Pat Lupo, OSB, Environmental Education and Advocacy, Benedictine Sisters of Erie PA
133. Barbara Jarmoska, President, Project CoffeeHouse
134. Nora M. Nash, OSF, Director Corporate Social Responsibility, Sisters of St. Francis of Philadelphia
135. Robert Cross, President, Responsible Drilling Alliance (RDA)
136. Dawn Dannenbring, Environmental Organizer, Illinois People's Action
137. Jason Miller, Director of Campaigns and Development, Franciscan Action Network
138. Jim Mackenzie, Coordinator, 350 New Mexico
139. Gene Binder, Member Steering Committee, Concerned Citizens For Change
140. Mary Smith, Communications Director, Church Women United in New York State
141. Eric Anspaugh, Chair, Preserve Franklin County VA
142. Pam Bishop, Principal, Concerned Citizens of Lebanon County
143. Nathalie Margi, Senior Advocacy Officer, Urgent Action Fund for Women's Human Rights
144. Mark Laity-Snyder, Vice President, Reeva DIY
145. Tabitha Tripp, Board Member, SAFE (Southern Illinoisans Against Fracturing our Environment)
146. Amy Scott, Spokesperson, Pocahontas County Organic District
147. Marie McRae, Spokesperson, DRAC (Dryden Resource Awareness Coalition)
148. Jen Deerinwater, Founder & Executive Director, Crushing Colonialism
149. Collen McKinney, Co-Founder, People Not Pipelines
150. Stan Scobie, Founding Director, GDACC (Gas Drilling Awareness Cortland County)
151. George Matthis, President, River Guardian Foundation
152. Allen Johnson, Coordinator, Christians For The Mountains
153. Mary Shesgreen, Chair, Fox Valley Citizens for Peace & Justice
154. Vanessa Pesec, Spokesperson, NEOGAP (Network for Oil and Gas Accountability and Protection)
155. Drew Hudson, Founder, 198 methods
156. Patricia McPherson, President, Grassroots Coalition
157. Paulette Hammond, President, Maryland Conservation Council
158. Wibke Langhorst, Spokesperson, Aktionsbündnis No Moor Fracking
159. Dough Couchon, Co-Founder, Elmirans and Friends Against Fracking
160. Fritz Buhr, Spokesperson, Pro Grün e.V. Paderborn
161. Terrie Baumgardner, Spokesperson, Beaver County Marcellus Awareness Community
162. Dr. Maria Entrup-Henemann, Board Member, IG Fracking-freies Artland e.V.
163. Adrian Palmer, Spokesperson, Frack Free York and Villages
164. Matthew Mehalik, Spokesperson, Breathe Project

165. Sarah Martik, Campaign Manager, Center for Coalfield Justice
166. Dustin White, Spokesperson, OVEC - Ohio Valley Environmental Coalition
167. Marcy Kass, Spokesperson, 350 Vermont
168. Rebecca Jones, Spokesperson, 350 Brattleboro
169. Gonzalo Fernández Corrales. Spokesperson, Círculo de Hostelería y Turismo
170. Hélène Cabioch, Director, Association Internationale de Techniciens, Experts et Chercheurs (Aitec)
171. Robert Pilli, President, CRI-AC !
172. Johanna Fallert, Spokesperson, Mothers Out Front
173. Dr. Beth Cross, Lecturer, University of West Scotland (UWS)
174. RL Miller, Political Director, Climate Hawks Vote
175. Sukhgerel Dugersuren, Chari, Oyu Tolgoi Watch
176. Maurice Ouma Odhiambo, Executive Director, Jamaa Resource Initiatives
177. Ulrike Siemens, Spokesperson, Kein Frack in Wf
178. Penelope Cole, Chair, Frackwatch
179. Catherine Harrington, Frack Off London, Campaigner
180. Chriszanne Janse van Vuuren, Spokesperson, Support Centre for Land Change (SCLC)
181. Vladimir Bajzec, Founcer, Nonprofit civic initiative NAŠ Jadran
182. Bernd Ebeling, Spokesperson, BürgerInneninitiative Umweltschutz Uelzen
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184. Jessica Mullen, Coordinator, New Paltz Climate Action Coalition
185. Regine Richter, Energy Campaigner, Urgewald
186. Katja George, Campaigner, Gastivists Berlin
187. Josep Nuluart, Spokesperson, Observatori del deute en la globalització (ODG)
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189. Nicolò Wojewoda, Managing Director, 350 Europe
190. Rebecca MacMullan, Co-Chair of the Board of Directors, 350 Spokane
191. B. Arrindell, Spokesperson, Damascus Citizens for Sustainability
192. John Barnes, Advocacy Coordinator, Earth Forum of Howard County
193. Lawrence E. Couch, Director, National Advocacy Center of the Sisters of the Good Shepherd
194. Sabine Holsten, Spokesperson, BI für Gesundheit Hemslingen/Söhlingen
195. Martin Heinze, Spokesperson, Klimaschutz-AG NABU Oldenburger Land
196. Pat Sodolak, Spokesperson, We The People - NJ07
197. Maxime Combes, Spokesperson, Collectif citoyen de Pézenas, Castelnau de Guers (34 France)
198. Maxime Combes, Spokesperson, Collectif du Céressou (34 France)
199. Maxime Combes, Spokesperson, Collectif de Campagnan, St. Pargoire (34 FranceE)
200. Maxime Combes, Spokesperson, Ecolectif de Gognac ( 34 France)



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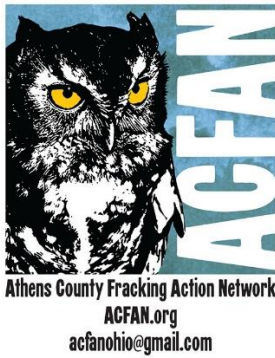


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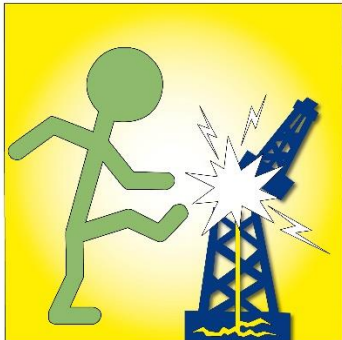
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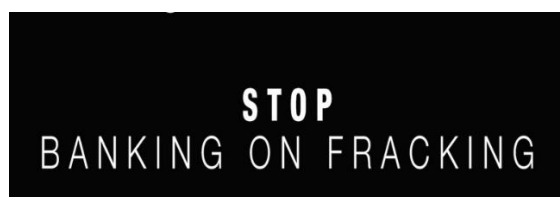
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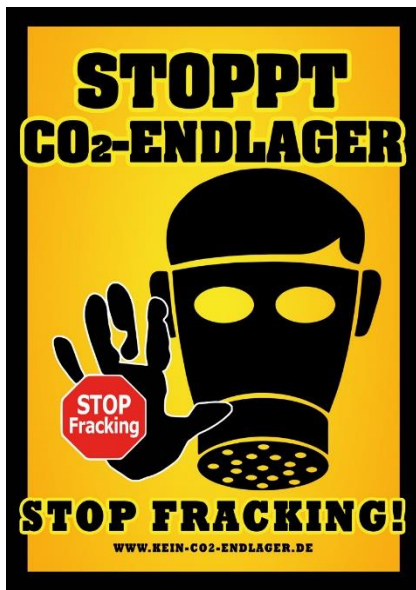


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# URGENT ACTION FUND

FOR WOMEN'S  
HUMAN RIGHTS



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<sup>i</sup> [http://europa.eu/rapid/press-release\\_IP-19-1531\\_en.htm](http://europa.eu/rapid/press-release_IP-19-1531_en.htm)

<sup>ii</sup> UNEP Global Environment Alert Raises Concerns About Gas Fracking. 4 Dezember 2012. Available at: <http://sdg.iisd.org/news/unep-global-environment-alert-raises-concerns-about-gas-fracking/>

<sup>iii</sup> [http://www.eeb.cornell.edu/howarth/summaries\\_CH4.php](http://www.eeb.cornell.edu/howarth/summaries_CH4.php)

<sup>iv</sup> <https://www.youtube.com/watch?v=1NPuYr1LGMI>

<sup>v</sup> Oil Change International. „First Comprehensive Analysis of Climate Impact of Jordan Cove LNG Terminal & Pacific Connector Pipeline“ 11 January 2018. Available at: <http://priceofoil.org/2018/01/11/report-first-comprehensive-analysis-of-climate-impact-of-jordan-cove-lng-terminal-pacific-connector-pipeline/>.

<sup>vi</sup> Oil Change International. „Debunked: The G20 Clean Gas Myth“. 11 June 2018. Available at: <http://priceofoil.org/2018/06/11/debunked-g20-clean-gas-myth/>

<sup>vii</sup> Compendium of Scientific, Medical, and Media Findings Demonstrating Risks and Harms of Fracking (Unconventional Gas and Oil Extraction). Available at: <http://concernedhealthny.org/>. Fifth edition (March 2018): [http://concernedhealthny.org/wp-content/uploads/2018/03/Fracking\\_Science\\_Compendium\\_5FINAL.pdf](http://concernedhealthny.org/wp-content/uploads/2018/03/Fracking_Science_Compendium_5FINAL.pdf)

<sup>viii</sup> UNEP. „Global Environment Alert Raises Concerns About Gas Fracking“. 4 Dezember 2012. Available at: <http://sdg.iisd.org/news/unep-global-environment-alert-raises-concerns-about-gas-fracking>

<sup>ix</sup> <https://www.ecologic.eu/sites/files/publication/2018/2811-coacch-review-synthesis-updated-june-2018.pdf>

<sup>x</sup> <http://trinomics.eu/wp-content/uploads/2018/11/Final-gas-infrastructure.pdf>

<sup>xi</sup> Mercure et al. 'Macroeconomic impact of stranded fossil fuel assets' *Nature Climate Change*, Vol. 8, July 2018. 588-593. <https://doi.org/10.1038/s41558-018-0182-1>

<sup>xii</sup> <https://group.bnpparibas/en/press-release/bnp-paribas-takes-measures-accelerate-support-energy-transition>

<sup>xiii</sup> Food & Water Watch. „How Fracking Supports the Plastic Industry“. Available at:

[https://www.foodandwaterwatch.org/sites/default/files/ib\\_1702\\_fracking-plastic-web.pdf](https://www.foodandwaterwatch.org/sites/default/files/ib_1702_fracking-plastic-web.pdf)

CIEL. „Plastic & Health – The hidden costs of a plastic planet. Available at: <https://www.ciel.org/news/plasticandhealth/>

<sup>xiv</sup> <https://www.tribunalonfracking.org/judges-statements/>

<sup>xv</sup> Permanent Peoples' Tribunal. „Session on Human Rights, Fracking and Climate Change. 14-18 May 2018. Advisory Opinion. Available at: <https://www.tribunalonfracking.org/wp-content/uploads/2019/04/AO-FINAL-3-28-19.pdf>

<sup>xvi</sup> CESCR - International Covenant on Economic, Social and Cultural Rights. E/C/12/ARG/CO/4

[https://tbinternet.ohchr.org/\\_layouts/treatybodyexternal/SessionDetails1.aspx?SessionID=1200&Lang=en](https://tbinternet.ohchr.org/_layouts/treatybodyexternal/SessionDetails1.aspx?SessionID=1200&Lang=en)

<sup>xvii</sup> CEDAW - Concluding observations on the eight periodic report of United Kingdom of Great Britain and Northern Ireland, C/GBR/CO/8 ([https://tbinternet.ohchr.org/\\_layouts/treatybodyexternal/Download.aspx?symbolno=CEDAW%2FC%2FGBR%2FCO%2F8&Lang=en](https://tbinternet.ohchr.org/_layouts/treatybodyexternal/Download.aspx?symbolno=CEDAW%2FC%2FGBR%2FCO%2F8&Lang=en))