



Royal United Services Institute of Nova Scotia

Dispatches

13 September 2019

The Royal United Services Institute of Nova Scotia provides a forum for the study, promotion and debate of defence and security issues.

Dispatches is a weekly collection of links and news of current interest, included those tweeted and posted by the Institute on social media. Links to articles are checked at the time they are put into *Dispatches* but may be unavailable at a later date or in some states other than Canada.

If you are not a routine recipient of *Dispatches* but wish to be so, email the Institute's Chief Information Officer (CIO) at RUSINovaScotia@gmail.com. If you do not want to receive *Dispatches*, or wish to receive it at some different frequency, please inform the CIO. If you wish to receive *Dispatches* at a different address (i.e., not your work address), please inform the CIO. Past editions of *Dispatches* may be requested by contacting the CIO.

Everyone is encouraged to email to the CIO links and other content to be included in *Dispatches*.

Submissions and feedback are welcome anytime. Comments to articles can be from members or non-members of RUSI(NS). Any comment in *Dispatches* is the sole opinion of the author and does not necessarily represent the views of the Canadian Department of National Defence, the Canadian Armed Forces, the Royal Canadian Mounted Police or the Royal United Services Institute of Nova Scotia

RUSI(NS) also publishes a weekly *Defence & Security Newsletter*, aimed at opinion leaders and industry. If you are interested in receiving the newsletter, or want past editions, email admin@duncom.ca.

Events:

Invitations for Remembrance Dinner 6 November have been sent out. Please RSVP soon if you intend to attend. Evening, Royal Artillery Park Officers' Mess.

To list an event in *Dispatches*, email the CIO by noon Thursday. RUSI(NS) events are by invitation only. If you are interested in attending and have not been invited, email RUSINovaScotia@gmail.com. RUSI(NS) events may be cancelled at short notice – email RUSI(NS) if there is a question of an event occurring.

Keep an eye out for changes to our events program, especially with speakers, for the next couple months due to the election. Now that the writ has been dropped, the 'caretaker convention' applies. For more info about the convention, see: "Guidelines on the Conduct of Ministers, Ministers of State, Exempt Staff and Public Servants During an Election" (<https://www.canada.ca/en/privy-council/services/publications/guidelines-conduct-ministers-state-exempt-staff-public-servants-election.html>).

18 September, Wednesday - Distinguished Speaker Major Erik Weigelin, 423 Maritime Helicopter Squadron, speaking about the first operational deployment of the CH148 Cyclone helicopter. 1130-1330. Royal Artillery Park Officers' Mess.

16 October, Wednesday - Distinguished Speaker TBA. 1130-1330. Royal Artillery Park Officers' Mess.

Recent Publications:

RUSI(NS) Info Quest “BREXIT and the Canadian Surface Combatant” <https://rusi-ns.ca/brexit-and-the-canadian-surface-combatant/>, 10 August 2019

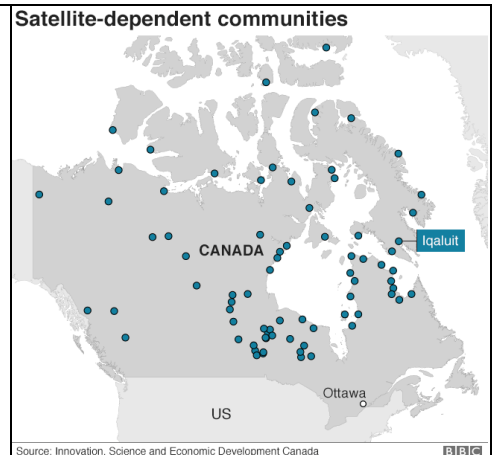
RUSI(NS) Information Note "A System to Judge Information Reliability" <https://rusi-ns.ca/a-system-to-judge-information-reliability/>, 4 August 2019

The United Services Institute of Nanaimo and North Island (USINNI) Newsletter Vol 27 No 09 September 2019 is available on request to RUSINovaScotia@gmail.com.

The Military Institute of Windsor Communiqué, Volume XXXVII Number 8 September 2019 is available on request to RUSINovaScotia@gmail.com.

Tweeted by @RUSI_NS: RUSI(NS) tweets may also be viewed by clicking on the icon at <https://RUSI-NS.ca>. To have something tweeted or retweeted, email the CIO at RUSINovaScotia@gmail.com. Original article title in parentheses.

China see cyberspace & digital/information environments as crucial. One could say as operating/conflict domains <https://www.bbc.com/news/world-us-canada-49415867>
#Arctic is not where CAN🇨🇦 wants to be dependent on Chinese Huawei control of communications technology (Huawei heats up the battle for internet in Canada's north)



Canadian Armed Forces Operations @CFOperations 7 Sep tweeted: Following #HurricaneDorian, the @CanadianForces are contributing personnel to the Canadian Disaster Assessment Team led by @GAC_Corporate, who are currently in the Bahamas conducting a rapid needs assessment to determine what, if any further support could be offered by Canada.
RUSI(NS) retweeted: Operation RENAISSANCE 19-01 #OpRENAISSANCE <https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-rennaissance.html>
Contingency Plan RENAISSANCE is @CanadianForces plan for rapid deployment to disaster overseas, as dir by Gov't of CAN. Provides direction in event of decision by GoC to respond to req fm another nation for help (Operation RENAISSANCE 19-01)



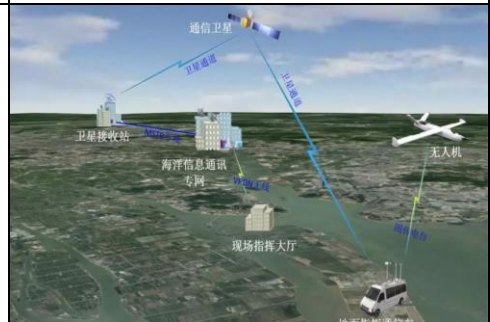
Canadian Global Affairs Institute @CAGlobalAffairs 10 Sep tweeted and RUSI(NS) retweeted: As we approach the 2019 election, what risk does Russian #disinformation pose to Canada? Sergey Sukhankin explores the history and evolution of #Russia's propaganda machine in our latest policy paper: https://www.cgai.ca/the_western_alliance_in_the_face_of_the_russian_disinformation_machine_where_does_canada_stand (The Western Alliance in the Face of the Russian (Dis)information Machine: Where Does Canada Stand?) *see also*: Russian election-meddling in Canada linked to Arctic ambitions: report <https://ottawacitizen.com/news/canada/russian-election-meddling-in-canada-linked-to-arctic-ambitions-report/wcm/23991e94-69f4-4d6b-806c-ef02ea6e785c#Echobox=1567969431>



Matthew Fisher @mfisheroverseas 10 Sep tweeted and RUSI(NS) retweeted: My latest piece for CGAI. On Mali. Great new Canadian medevac capability that UN did not call on much. (Canadian Peacekeepers returning home from Mali feeling under utilized https://www.cgai.ca/canadian_peacekeepers_returning_home_from_mali_feeling_under_utilized)



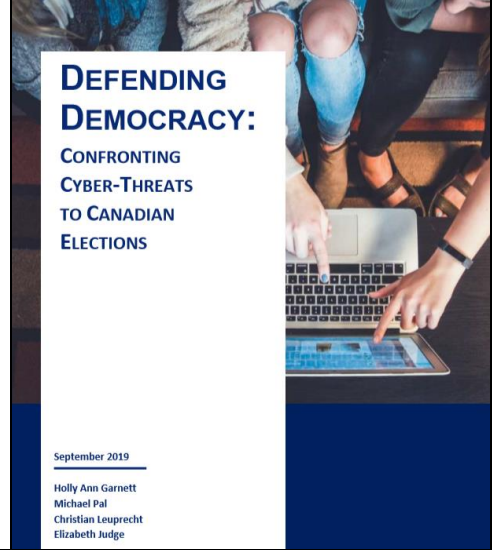
Chinese network of #drones for South China Sea surveillance <https://www.scmp.com/news/china/military/article/3026577/beijing-deploys-drones-south-china-sea-surveillance> Increases requirement for #RCNavy ships transiting area to be fitted with drone detection capability (Beijing deploys drones for South China Sea surveillance)



JTFA | FOIA @JTFA_FOIA 11 Sep tweeted: The success of @CFOperations #OpLENTUS' recovery efforts, following #HurricaneDorian in support of the province of #NovaScotia, is made possible by the effective teamwork of the @RCAF_ARC, @RoyalCanNavy and the @CanadianArmy. RUSI(NS) retweeted; Yes, such @CanadianForces ops in response to prov requests for assistance after natural disasters are joint activities by women&men, Regulars & Reservists, of all #CAF commands. Whilst @CanadianArmy Reservists often in majority, there are more than part-time soldiers out there!



CDA Institute @CDAInstitute 11 Sep tweeted and RUSI(NS) retweeted: #CyberThreats to Canadian elections: Here's our latest report #DefendingDemocracy, authored by @HollyAnnGarnett, Michael Pal, Christian Leuprecht, Elizabeth Judge @RMCCanadaCMR @uOttawa @uOttawaTechLaw #CanadaVotes #cdnpoli (Defending Democracy: Confronting Cyber Threats to Canadian Elections <https://cdainstitute.ca/defending-democracy-confronting-cyber-threats-to-canadian-elections/>)



CAN🇨🇦#Arctic & Northern Policy <https://www.rcaanc-cirnac.gc.ca/eng/1562782976772/1562783551358> Initial reporting at <https://nunatsiaq.com/stories/article/with-little-fanfare-canada-quietly-launches-new-arctic-policy-document/> & <https://www.cbc.ca/news/canada/north/arctic-policy-framework-short-on-details-1.5278433> Now, needs an in-depth analysis



"Another Canadian warship sails through Taiwan Strait" <https://vancouverisland.ctvnews.ca/another-canadian-warship-sails-through-taiwan-strait-1.4587074> "The #RCNavy does not conduct so-called freedom of navigation operations aimed at challenging the territorial claims of other nations"

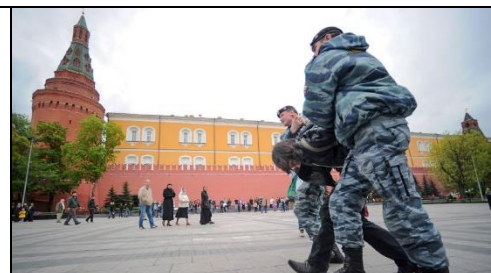


.@NationalDefence announces establishment of Dallaire Centre of Excellence for Peace & Security <https://ml-fd.caf-fac.ca/en/2019/09/33520> Initial focus area will be on how @CanadianForces can implement Vancouver Principles on Peacekeeping, & Prevention of Recruitment and Use of #ChildSoldiers (New CAF Centre of Excellence for Peace and Security)



Posted on Facebook Royal United Services Institute NS with comments:

Does the Kremlin Have an Alternative? <https://www.themoscowtimes.com/2019/09/04/does-the-kremlin-have-an-alternative-a67123>



The article “Does the Kremlin have an Alternative by Ella poses an interesting question. This summer saw some of the largest anti-Putin demonstrations since 2011. These most recent demonstrations by the growing opposition are in regard to the municipal elections. The Kremlin Electoral Commission disallowed most real opposition candidates. The elections saw the defeat of many “United Russian” candidates fall. United Russia is usually known as Putin’s own party, despite having “resigned” from the party to become President. Despite the elimination of opposition candidate’s people voted against the “Kremlin” choosing to elect hard line communists rather than members of the United Russia.

In recent surveys by the Levada Institute, Putin’s popularity has plummeted to a new low of just 32% (same as Justin Trudeau’s popularity). Considering his overwhelming control of Russian media, this is not good. Rather than address opposition issues which include things like pension reform, which directly affected his support base, he has chosen to “disqualify” opposition candidates and when further demonstrations occur, send in his personal troops, the National Guard. The trouble this time, his tactics are not working, and demonstrations have become larger and more determined. Putin has no solutions and the citizens of Russia now realize this problem.

Will the current regime survive? Is it possible that the world might see a general collapse especially if there is a major catalyst such as a collapse of the Russian economy already a basket case mainly due to incompetence and corruption as well ongoing sanctions? Time will tell, but it is unlikely to get better.

Navy Claims a Strong Technical Foundation Ahead of Testing New Classes of Unmanned Ships

<https://news.usni.org/2019/09/09/navy-claims-a-strong-technical-foundation-ahead-of-testing-new-classes-of-unmanned-ships>



"...lessons learned from commercial industry, (defence headquarters) prototypes and existing Navy concepts are providing a good foundation for moving ahead as planned. To build on that foundation and prepare for fleet introduction and operations, ...the Navy wants to hurry and invest in additional prototypes to get in the water and work out remaining work on concepts, mission package integration and other issues."

Hmm, hopefully will apply to Canada someday, too.

Airworthy U.S. presidential helicopters to be stripped for parts in Cormorant modernization program

<https://nationalpost.com/news/airworthy-u-s-presidential-helicopters-to-be-stripped-for-parts-in-cormorant-modernization-program?fbclid=IwAR1zEVaFLaX2cXyppsLsLPTU48eW05Gu3H10tcWVpb5iOP7Z0nfe1irtR8I>



David Pugliese's article is dated 8 September 2019. RUSI(NS) had queried National Defence Headquarters (NDHQ) on 3 September about this, and prior to that had included comments wondering about the US VH-71 helicopters in the RUSI(NS) weekly bulletin 30 August. So, we're feeling pretty good about ourselves.

The NDHQ reply 3 September was: As the VH-71 and CH-149 are from the same family of helicopters, the VH-71 assets will be used as sources of parts for the upgraded and expanded CH-149 helicopter fleet that will be assembled on new AW101-612 airframes. The utilization of V-71 parts will save money on the cost of the upgrade.

Tribunal looking into Heddle shipbuilding contract concerns

<https://www.stcatharinesstandard.ca/news-story/9588315-tribunal-looking-into-heddle-shipbuilding-contract-concerns/>



The third shipyard should be one capable of handling a number of shipbuilding contracts over an extended period of time, not just for the six Coast Guard icebreakers. Otherwise Canada will be faced with the same too-many-yards-competing-for-too-few-contracts that led to the previous situations of the industry failing overall. That's partly what the national Shipbuilding Strategy is to prevent. The third yard has to be a true medium-sized builder like Irving and Seaspan.

Virtual boots on the ground: British Army grapples with operating in the gray zone

<https://www.defensenews.com/digital-show-dailies/dsei/2019/09/09/virtual-boots-on-the-ground-british-army-grapples-with-operating-in-the-gray-zone/>



“what you are seeing is a bunch of generals doing what they have not done in the rest of their careers and that is experiment in a space they don't understand, that they don't know the answers to but nevertheless they are out there experimenting and they are giving it a good old wallop”

The Department of National Defence has announced that the demilitarization and disposal of the former HMCS ATHABASKAN is now complete.



The final 15-metre section of the destroyer was broken up earlier this summer at the SYDPORT shipyard in Sydney, Nova Scotia, effectively concluding a 16-month disposal effort of the ship. Work was conducted by the Marine Recycling Corporation of Port Colborne, Ontario.

The extensive disposal activity included verification and cataloguing of thousands of parts and controlled goods certificates, witnessed by the National Defence Quality Assurance Region.

The storied life of the former ATHABASKAN came to an end with the issuance of her final Certificate of Demilitarization on 17 July 2019. ATHABASKAN was commissioned on 30 September 1972, paid

off 10 March 2017, and departed Halifax harbour for the last time on 29 March 2018.

ATHABASKAN was the last of four Iroquois-class helicopter-carrying destroyers (DDH) which were aptly called the “sisters of the space age.”

Minister outlines how UK and Sweden will collaborate on new jets

<https://ukdefencejournal.org.uk/minister-outlines-how-uk-and-sweden-will-collaborate-on-new-jets/>



Too late to be considered for the Royal Canadian Air Force Future Fighter project. Hmm, maybe that's a good thing...

Estonian robot fires Javelin missile using Norwegian remote launcher

<https://www.defensenews.com/digital-show-dailies/dsei/2019/09/10/estonian-robot-fires-javelin-using-a-norwegian-remote-launcher/>





Buzz terms to watch (watch out) for:

- . 'effectors' = stuff that does stuff.
- 2. 'DRI' = detect, recognize and identification.

Still, the drone looks cool.

Posted on Facebook Royal United Services Institute NS: RUSI(NS) postings may be viewed by clicking on the icon at <https://RUSI-NS.ca>. To have something posted or commented, email the CIO by noon Thursday.

 <p>RUSI www.rusi.org</p> <p>This Week</p>	 <p>RUSI www.rusi.org</p>
<p>https://mailchi.mp/usi.org/thisweek-6september-166657?e=a539211a30</p> <p>‘We’re at War’: A Covert Social Media Campaign Boosts Military Rulers</p> <p>https://www.nytimes.com/2019/09/06/world/middleeast/sudan-social-media.html?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2009.06.19&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	A photograph of a street scene with several fires burning in the foreground. Thick black smoke rises from the fires, filling the air. In the background, there are buildings and utility poles. The scene appears to be one of conflict or destruction.

U.N. trying to convince North Korea not to cut aid staff

https://www.reuters.com/article/us-northkorea-aid-un/u-n-trying-to-convince-north-korea-not-to-cut-aid-staff-idUSKCN1VQ2IZ?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2009.06.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Asia Has Three Possible Futures

https://foreignpolicy.com/2019/09/05/asia-has-three-possible-futures/?utm_source=PostUp&utm_medium=email&utm_campaign=14799&utm_term=Flashpoints%20OC



There's a New Player Leading the Kremlin's Moves Abroad: the Russian Army

https://foreignpolicy.com/2019/09/03/theres-a-new-player-leading-the-kremlins-moves-abroad-the-russian-army-andrei-soldatov-interview-the-compatriots/?utm_source=PostUp&utm_medium=email&utm_campaign=14799&utm_term=Flashpoints%20OC



Overcoming 'Boom and Bust'? Analyzing National Shipbuilding Plans in Canada and Australia

https://www.cgai.ca/overcoming_boom_and_bust_analyzing_national_shipbuilding_plans_in_canada_and_australia?utm_campaign=06_09_19_roundup&utm_medium=email&utm_source=cdfai



Norad asked Canada to 'identify and mitigate' cyber threats to critical civilian sites

<https://www.cbc.ca/news/somnia-1.5273917>



UK Army sticks to armor-upgrade plan despite new pivot toward hybrid warfare

https://www.defensenews.com/digital-show-dailies/dsei/2019/09/08/uk-army-sticks-to-armor-upgrade-plan-despite-new-pivot-toward-hybrid-warfare/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2009.09.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



3 questions with the EU defense chief on Europe's future fighters

https://www.defensenews.com/digital-show-dailies/dsei/2019/09/08/3-questions-with-the-eu-defense-chief-on-europes-future-fighters/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2009.09.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



DND funds new technology at Carleton University that could protect military equipment

<https://ottawacitizen.com/news/national/defence-watch/dnd-funds-new-technology-at-carleton-university-that-could-protect-military-equipment>



Ottawa firm to support Royal Canadian Navy, local robotics company joins Rheinmetall

<https://ottawacitizen.com/news/national/defence-watch/ottawa-firm-to-support-royal-canadian-navy-local-robotics-company-joins-rheinmetall>



Netanyahu: Iran had secret nuclear weapons development site in Abadeh

https://www.reuters.com/article/us-iran-nuclear-iaea-israel/netanyahu-iran-had-secret-nuclear-weapons-development-site-in-abadeh-idUSKCN1VU1T5?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2009.10.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Air Force F-15s, F-35s dump 80,000 pounds of bombs on Iraqi island

<https://www.airforcetimes.com/flashpoints/2019/09/10/air-force-f-15s-f-35s-dump-80000-pounds-of-bombs-on-iraqi-island/>



Ottawa's new Arctic policy has lofty goals, but few details on how to reach them, critics say

<https://www.cbc.ca/news/SOMNIA-1.5278433>



Canadian government quietly signs \$2 billion defence contract with General Dynamics

<https://ottawacitizen.com/news/national/defence-watch/canadian-government-quietly-signs-2-billion-defence-contract-with-general-dynamics>



Trump, Russia and China All Represent New Threats to Canada

<https://www.highnorthnews.com/en/trump-russia-and-china-all-represent-new-threats-canada>



Sneak Preview: First Draft of Russia's AI Strategy





https://www.defenseone.com/technology/2019/09/whats-russias-national-ai-strategy/159740/?oref=defense_one_breaking_nl



The Western Alliance in the Face of the Russian (Dis)information Machine: Where Does Canada Stand?

https://www.cgai.ca/the_western_alliance_in_the_face_of_the_russian_disinformation_machine_where_does_canada_stand?utm_campaign=pp_russiandisinformation&utm_medium=email&utm_source=cdfai



<p>China Lost the United States First</p> <p>https://foreignpolicy.com/2019/09/11/china-lost-the-united-states-first/?utm_source=PostUp&utm_medium=email&utm_campaign=14856&utm_term=Editor#39;s%20Picks%20OC</p>	
<p>Poland cleared to buy F-35 fleet</p> <p>https://www.defensenews.com/global/europe/2019/09/11/poland-cleared-to-buy-f-35-fleet/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%20091219&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>Saab Presents First Gripen E to Brazil</p> <p>https://saabgroup.com/media/news-press/news/2019-09/saab-presents-first-gripen-e-to-brazil/</p>	
<p>Tempest: Italy Joins Britain In Developing Fighter Jet Programme</p> <p>https://www.forces.net/news/technology/aircraft/tempest-italy-joins-britain-developing-fighter-jet-programme</p>	

Other Sources: Recommendations for ‘themes’ (e.g., #drones) to list in this section are welcome.

#artificial intelligence

Artificial Intelligence in Warfare

<http://thesimonscenter.org/featured-article-artificial-intelligence-in-warfare/>

#cyber ops

Marine Cyber Auxiliaries Aren’t Marines, and Cyber “Warriors” Aren’t Warriors

<https://warontherocks.com/2019/09/marine-cyber-auxiliaries-arent-marines-and-cyber-warriors-arent-warriors/>

#domestic operations

Op LENTUS 19-04 (Hurricane Dorian)

video: <https://vimeo.com/359296130?ref=tw-share%E2%80%AC>

Members of 4 Engineer Support Regiment conducting wellness checks and cleaning of debris during OP LENTUS 19-04 in Liverpool, Nova-Scotia on September 10th 2019.

#information operations

Book review - War in 140 Characters: The Fighting Words of Homo Digitalis

<https://cimsec.org/war-in-140-characters-the-fighting-words-of-homo-digitalis/41609>

#political warfare

An Op-Ed From the Future on Election Security

<https://www.lawfareblog.com/op-ed-future-election-security>

US, yes, but this could be Canada.

#intelligence #information operations #counter-terrorism

In the Deepfake Era, Counterterrorism Is Harder

<https://www.theatlantic.com/ideas/archive/2019/09/us-intelligence-needs-another-reinvention/597787/>

#logistics

Planting the right trees – logistics and its role in the ‘Phase Zero’ campaign

<https://logisticsinwar.com/2019/09/11/planting-the-right-trees-logistics-and-its-role-in-the-phase-zero-campaign/>

#Russia

Russia in Review: Military Exercises as Geopolitical Tools

<http://iswresearch.blogspot.com/2019/09/russia-in-review-military-exercises-as.html>

Other:

CDA Institute journal ON TRACK Volume 24 – Summer 2019

https://cdainstitute.ca/on-track-24_2019/

contents:

Regional Security Governance in the Indo-Pacific: Critical Problems and Long-Term Prospects

Securing the “Status Quo”: The Contribution of Taiwan to Peace in the Indo-Pacific

Rough Waters Ahead? Setting a Course for Canada’s Augmenting Military Relations and Operations in the Indo-Pacific Region

Canadian Energy Leadership in the Indo-Pacific Region

Trump and the Struggle for the Indo-Pacific: Rhizomatic Power Politics and Competing Visions for a 21st Century Regional Security Architecture

Indo-Pacific Ocean Fisheries are Crucial for the Peace and Security of the Region and the World

#public affairs

Defence Industry Minister heads to Europe to spruik Australia’s defence industry

<https://www.defenceconnect.com.au/key-enablers/4737-defence-industry-minister-to-promote-australia-s-defence-industry-with-uk-and-france>

Comment from Maritime News 10 Sep 19: "In case you were wondering – ‘struik’ is an Oz word for publicise and that is fair dinkum."

Hmm, does that make our public affairs officers 'struikers?'

#drones

What would a Canadian version of this slide look like?

